

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
 Data File : VL042937.D
 Acq On : 17 Sep 2025 14:52
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 18 03:00:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 18 02:57:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.787	49	163811	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	429845	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	368077	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	295691	10.278	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	229111	9.792	ppbv	99
3) Chlorodifluoromethane	1.476	51	246816	10.019	ppbv	99
4) Chloromethane	1.534	50	88317	9.392	ppbv	98
5) Vinyl Chloride	1.580	62	79666	8.980	ppbv	97
6) Bromomethane	1.667	94	29113	9.444	ppbv	89
7) Chloroethane	1.706	64	32759	10.026	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	183884	9.905	ppbv	100
9) Propene	1.482	41	98232	10.919	ppbv	99
10) Heptane	4.978	43	264357	11.859	ppbv	100
11) Trichlorofluoromethane	1.877	101	228320	9.878	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	175799	9.735	ppbv	99
13) Ethanol	1.722	45	6424	7.003	ppbv	92
14) Bromoethene	1.783	108	61980	9.634	ppbv	99
15) Acetone	1.835	43	166535	8.277	ppbv	99
16) 1,3-Butadiene	1.609	39	82098	9.755	ppbv	98
17) tert-Butyl alcohol	2.039	59	195293	10.080	ppbv	99
18) 1,1-Dichloroethene	2.036	96	80688	10.208	ppbv	94
19) Isopropyl Alcohol	1.884	45	104411	9.679	ppbv #	1
20) Methylene Chloride	2.062	84	69478	7.931	ppbv	96
21) Allyl Chloride	2.097	41	135109	9.906	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	88461	9.873	ppbv	97
23) Vinyl Acetate	2.463	43	245812	10.514	ppbv	99
24) 1,1-Dichloroethane	2.408	63	178694	10.097	ppbv	99
25) Ethyl Acetate	2.832	43	465727	10.840	ppbv	99
26) Hexane	2.826	57	214492	11.633	ppbv	94
27) Carbon Disulfide	2.149	76	225070	9.897	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	100988	9.968	ppbv	99
29) Chloroform	2.848	83	303164	10.059	ppbv	99
30) Cyclohexane	3.858	84	169974	12.237	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	201417	11.188	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	282320	10.012	ppbv	99
34) 2-Butanone	2.557	43	295206	10.594	ppbv	98
35) Carbon Tetrachloride	3.761	117	287165	9.398	ppbv	98
36) Benzene	3.657	78	409107	10.911	ppbv	99
37) 1,2-Dichloroethane	3.217	62	226948	10.107	ppbv	100
38) Trichloroethene	4.548	130	176428	10.395	ppbv	98
39) 1,2-Dichloropropane	4.315	63	154678	10.208	ppbv	97
40) 1,4-Dioxane	4.580	88	62205	11.567	ppbv #	95
41) Tetrahydrofuran	3.052	42	164799	11.951	ppbv	98
42) Bromodichloromethane	4.489	83	328094	10.181	ppbv	96
43) Methyl Methacrylate	4.878	69	154971	12.345	ppbv	98
44) 2,2,4-Trimethylpentane	4.641	57	714131	11.419	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	159002	12.012	ppbv	98

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

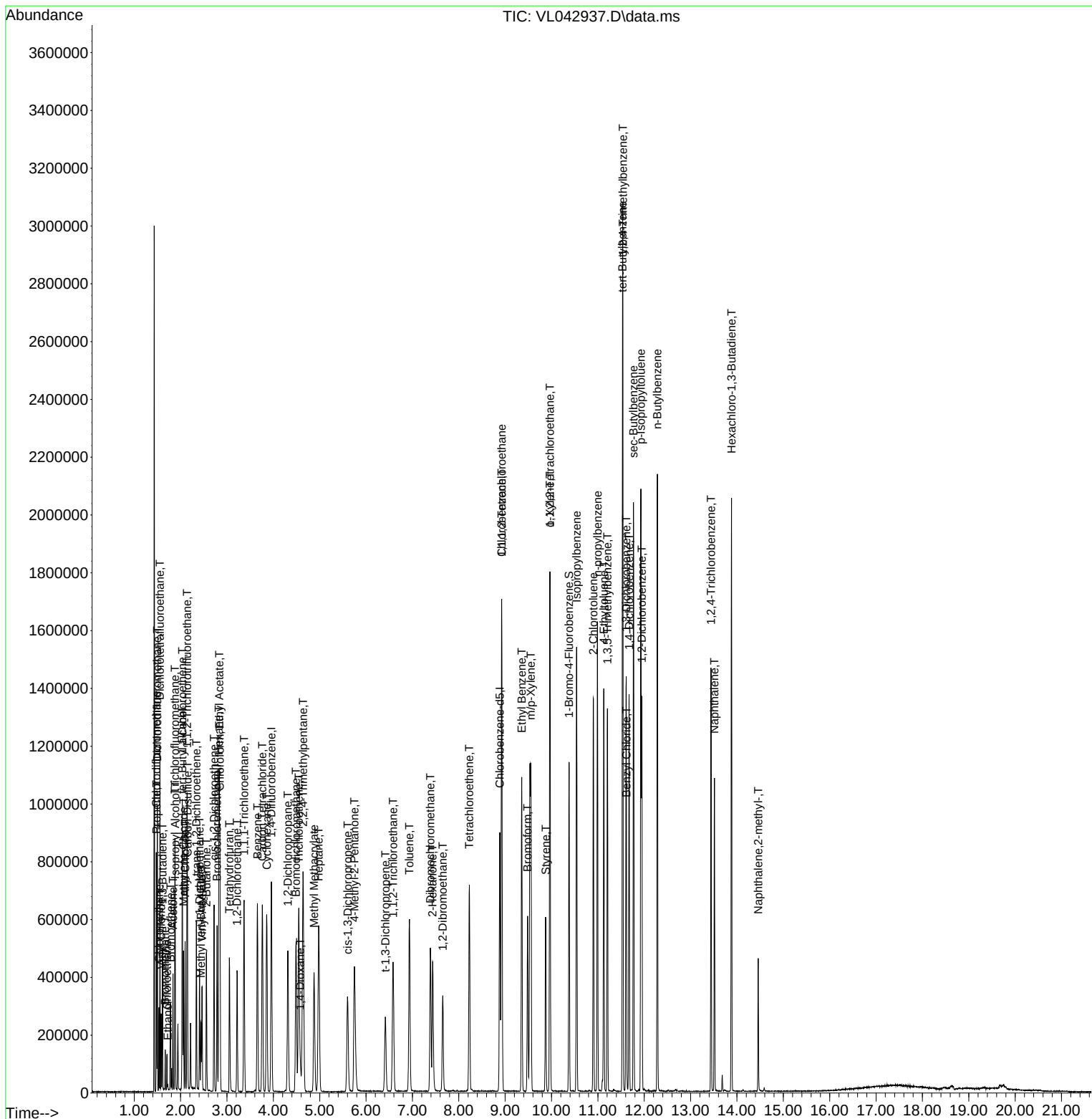
Instrument :
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 ClientSampleId :

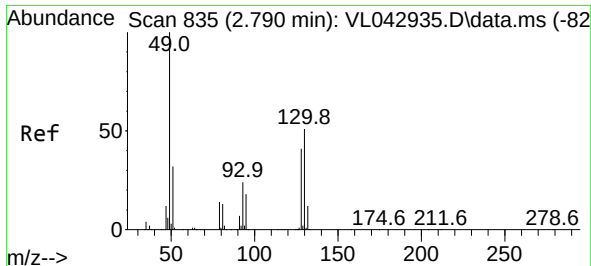
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 18 02:57:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	215811	11.827	ppbv	96
47) 1,1,2-Trichloroethane	6.583	97	156292	10.115	ppbv	98
48) Dibromochloromethane	7.386	129	248022	10.249	ppbv	100
49) Bromoform	9.483	173	199430	10.559	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	401816	12.061	ppbv	99
51) 2-Hexanone	7.435	43	309643	12.515	ppbv	98
52) Tetrachloroethene	8.224	164	117822	10.191	ppbv	95
53) Toluene	6.936	91	437541	12.514	ppbv	99
54) 1,2-Dibromoethane	7.655	107	216018	10.868	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.924	131	185285	9.881	ppbv	99
57) Chlorobenzene	8.924	112	345434	10.154	ppbv	99
58) Ethyl Benzene	9.357	91	594613	12.539	ppbv	98
59) m/p-Xylene	9.555	91	515806	12.872	ppbv #	30
60) o-Xylene	9.966	91	493072	12.376	ppbv	98
61) Styrene	9.875	104	207040	10.047	ppbv	99
62) Isopropylbenzene	10.542	105	705403	12.155	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	281350	9.775	ppbv	99
64) n-propylbenzene	10.992	120	182390	12.121	ppbv	98
65) tert-Butylbenzene	11.532	119	614507	12.391	ppbv	100
66) Benzyl Chloride	11.616	91	55461	12.035	ppbv	99
67) sec-Butylbenzene	11.769	105	903484	11.975	ppbv	99
69) p-Isopropyltoluene	11.927	119	728062	12.521	ppbv	99
70) n-Butylbenzene	12.283	91	776317	9.990	ppbv	99
71) 2-Chlorotoluene	10.904	91	539069	12.518	ppbv	100
72) 4-Ethyltoluene	11.128	105	596475	9.915	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	490000	12.431	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	560019	12.090	ppbv #	88
75) 1,3-Dichlorobenzene	11.610	146	320827	10.925	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	316382	11.199	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	309923	10.460	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	181670	9.601	ppbv	99
79) Naphthalene	13.513	128	471217	9.690	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	114187	7.615	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	219451	9.415	ppbv	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

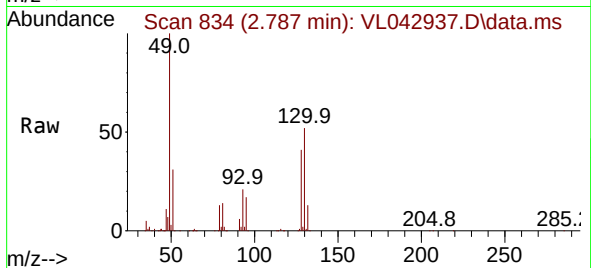
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QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration



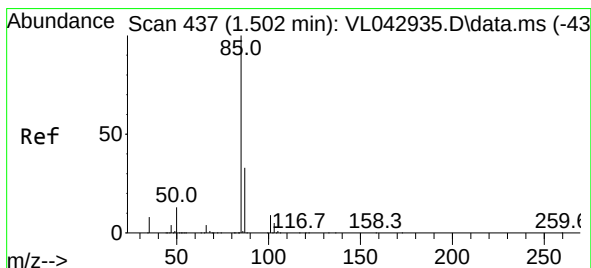
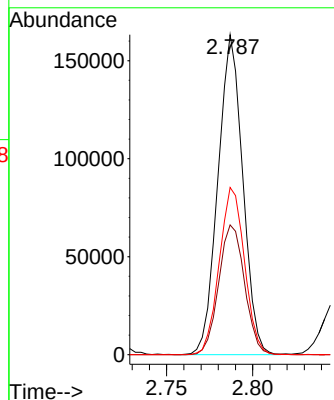
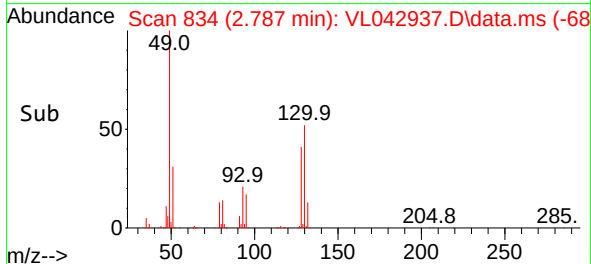


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52

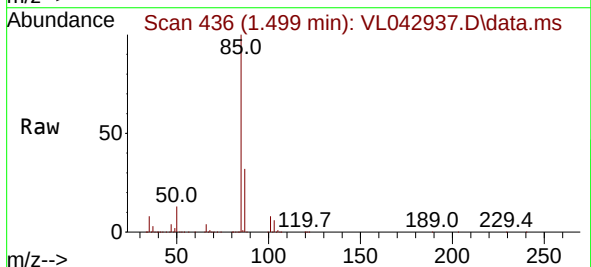
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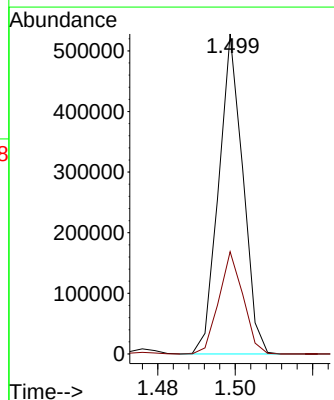
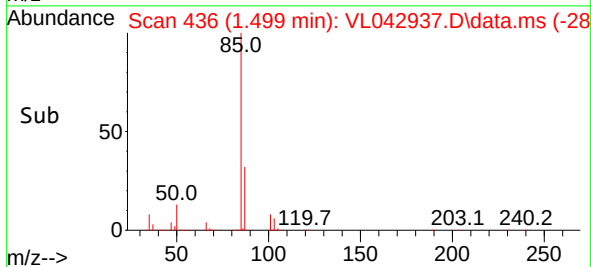
Tgt Ion: 49 Resp: 163811
 Ion Ratio Lower Upper
 49 100
 128 42.2 21.1 63.4
 130 53.1 26.4 79.2

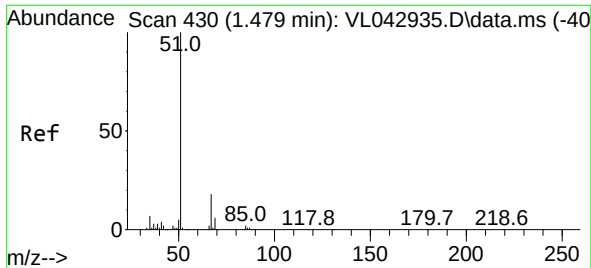


#2
 Dichlorodifluoromethane
 Concen: 9.792 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.003 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52



Tgt Ion: 85 Resp: 229111
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.1 39.1

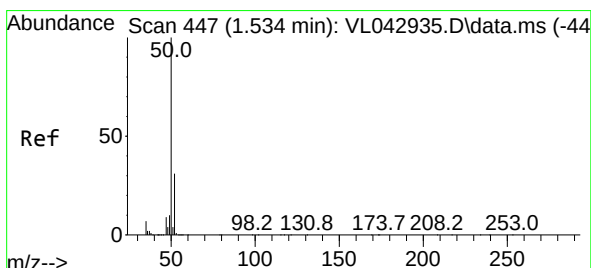
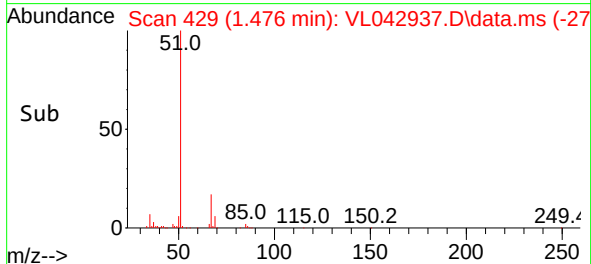
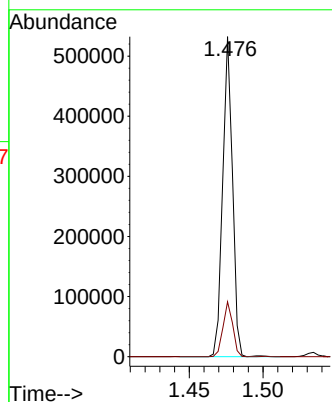
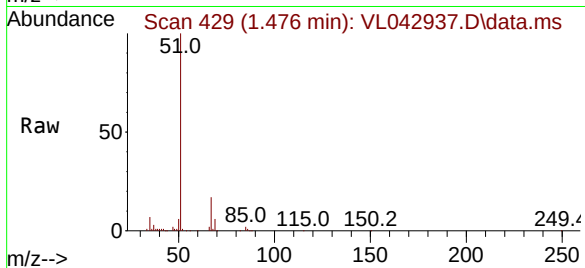




#3
Chlorodifluoromethane
Concen: 10.019 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

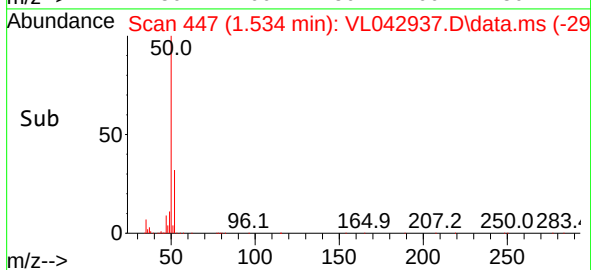
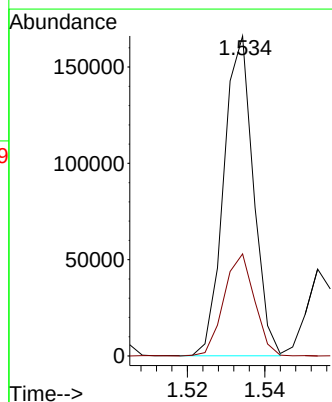
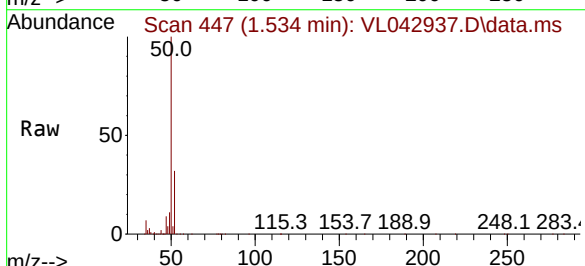
Instrument :
MSVOA_L
ClientSampleId :

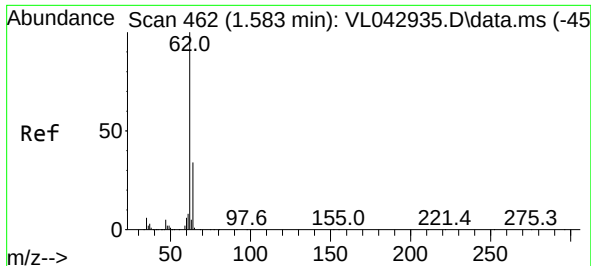
Tgt Ion: 51 Resp: 246816
Ion Ratio Lower Upper
51 100
67 17.2 14.1 21.1



#4
Chloromethane
Concen: 9.392 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion: 50 Resp: 88317
Ion Ratio Lower Upper
50 100
52 31.9 24.6 36.8

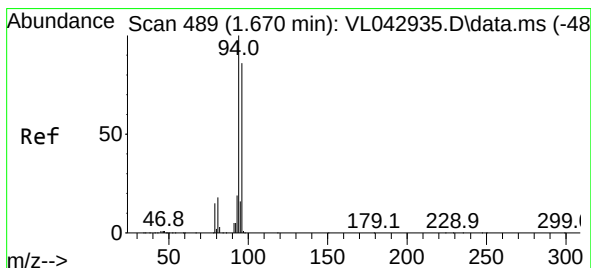
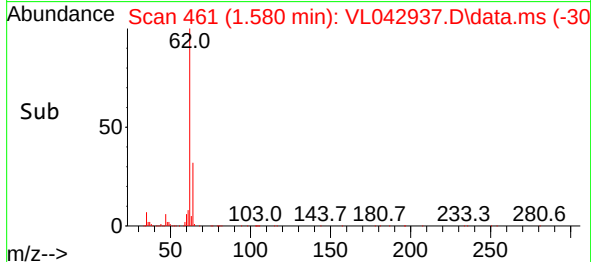
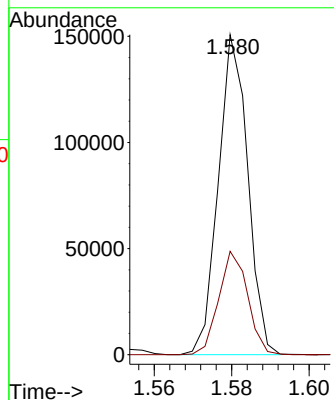
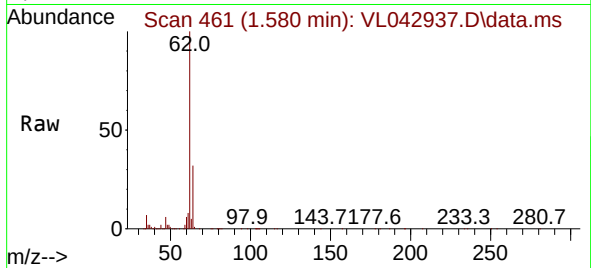




#5
 Vinyl Chloride
 Concen: 8.980 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.003 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52

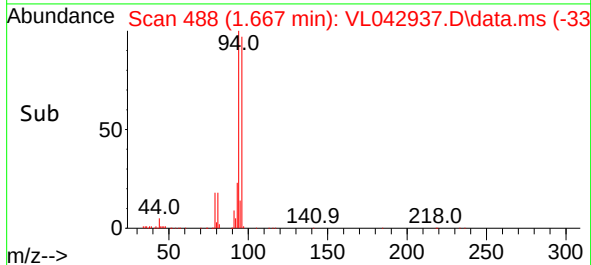
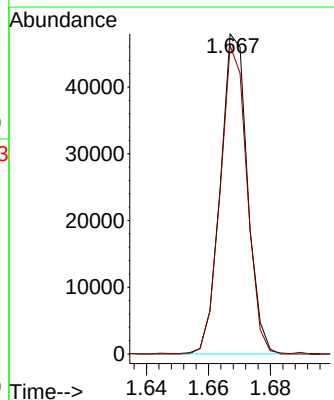
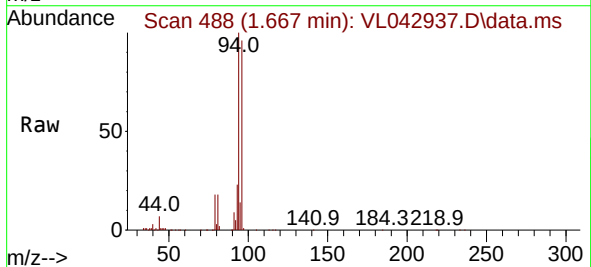
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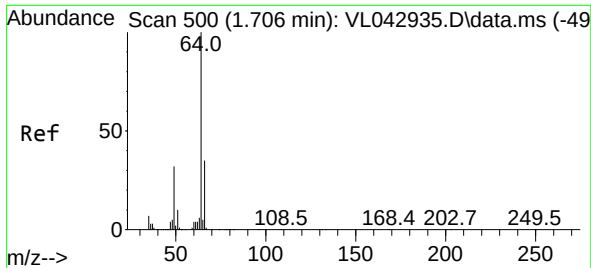
Tgt Ion: 62 Resp: 79666
 Ion Ratio Lower Upper
 62 100
 64 32.3 27.0 40.6



#6
 Bromomethane
 Concen: 9.444 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52

Tgt Ion: 94 Resp: 29113
 Ion Ratio Lower Upper
 94 100
 96 96.2 68.6 103.0

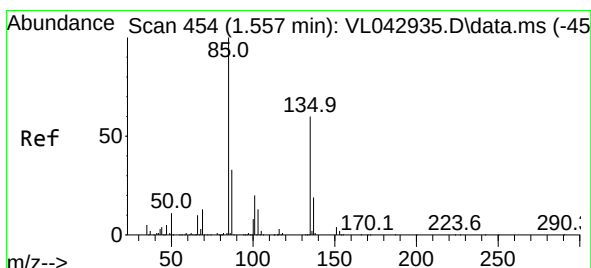
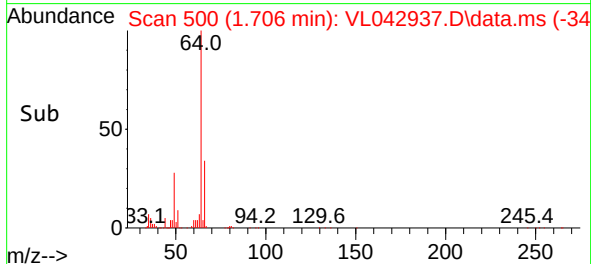
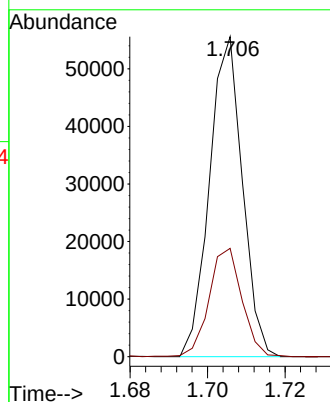
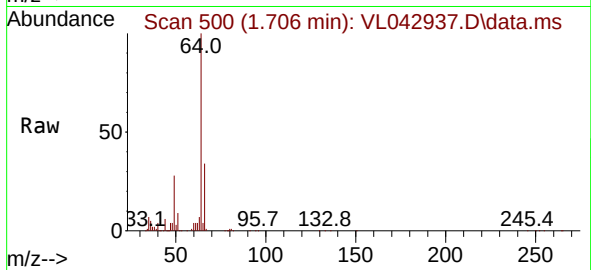




#7
Chloroethane
Concen: 10.026 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

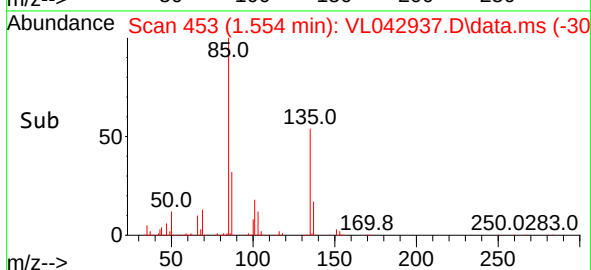
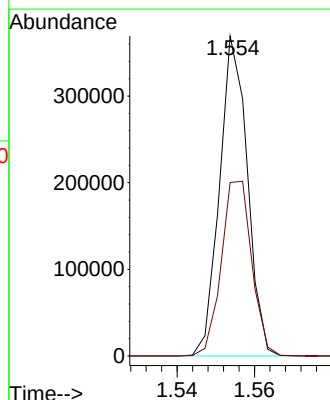
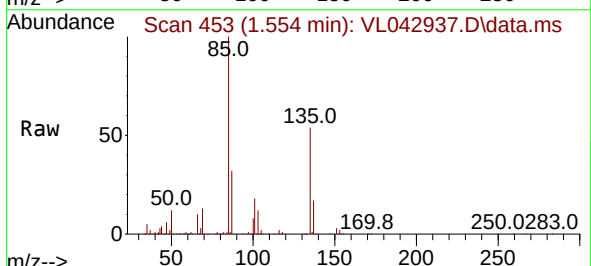
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ClientSampleId :

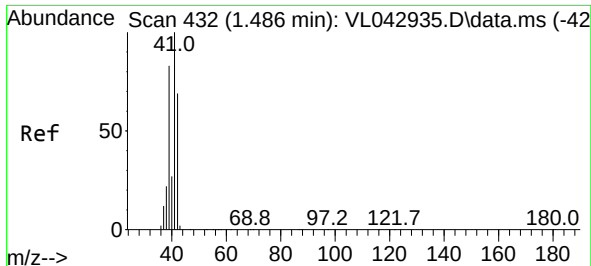
Tgt Ion: 64 Resp: 32759
Ion Ratio Lower Upper
64 100
66 33.9 27.9 41.9



#8
Dichlorotetrafluoroethane
Concen: 9.905 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion: 85 Resp: 183884
Ion Ratio Lower Upper
85 100
135 60.1 48.1 72.1





#9

Propene

Concen: 10.919 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

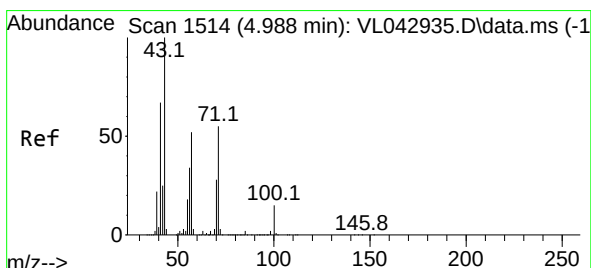
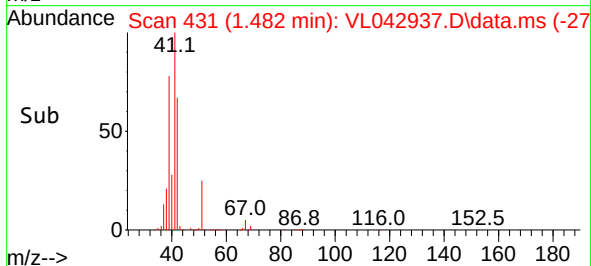
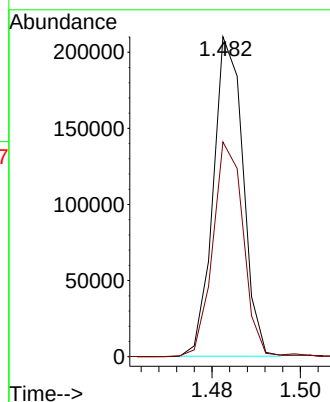
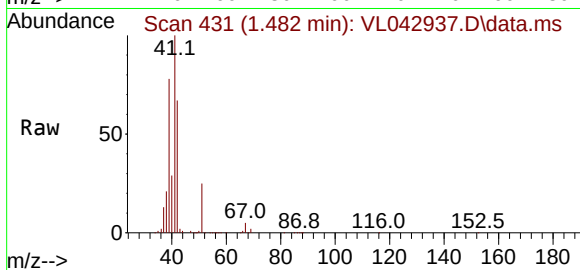
ClientSampleId :

Tgt Ion: 41 Resp: 98232

Ion Ratio Lower Upper

41 100

42 69.4 55.0 82.4



#10

Heptane

Concen: 11.859 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.010 min

Lab File: VL042937.D

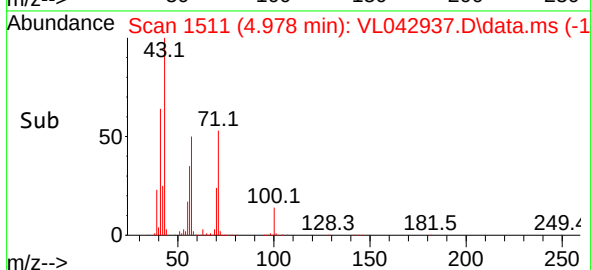
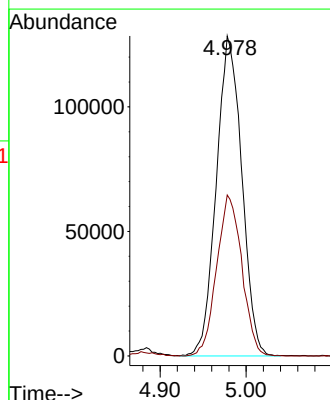
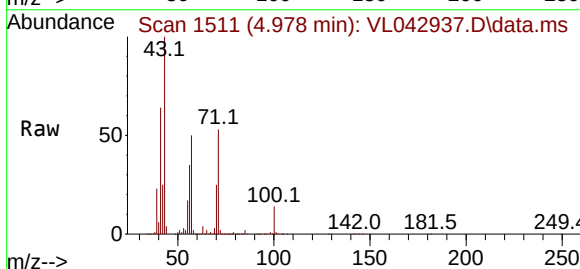
Acq: 17 Sep 2025 14:52

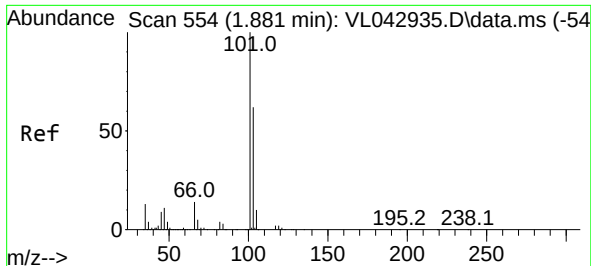
Tgt Ion: 43 Resp: 264357

Ion Ratio Lower Upper

43 100

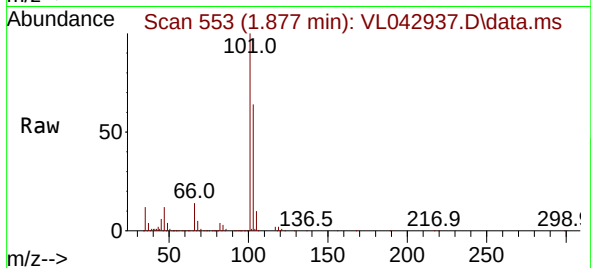
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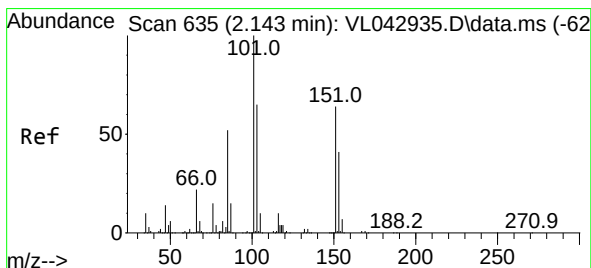
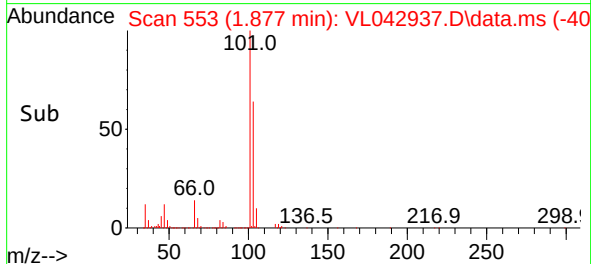
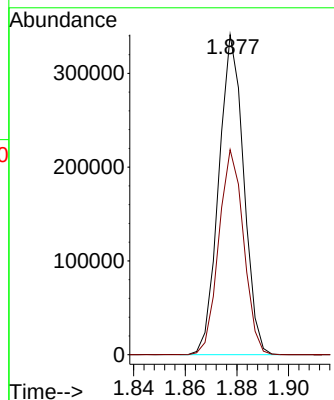


#11
Trichlorofluoromethane
Concen: 9.878 ppbv
RT: 1.877 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Instrument :
MSVOA_L
ClientSampleId :

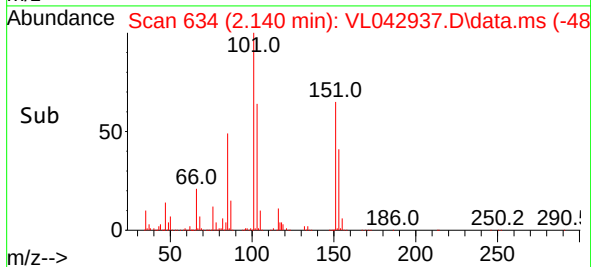
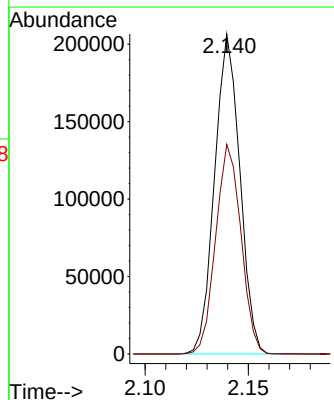
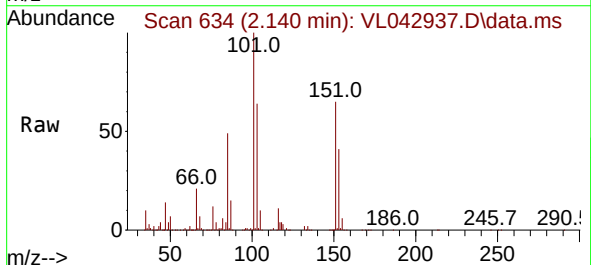


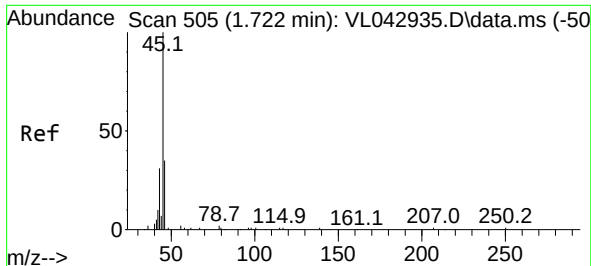
Tgt Ion:101 Resp: 228320
Ion Ratio Lower Upper
101 100
103 64.0 49.6 74.4



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.735 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion:101 Resp: 175799
Ion Ratio Lower Upper
101 100
151 65.5 51.9 77.9

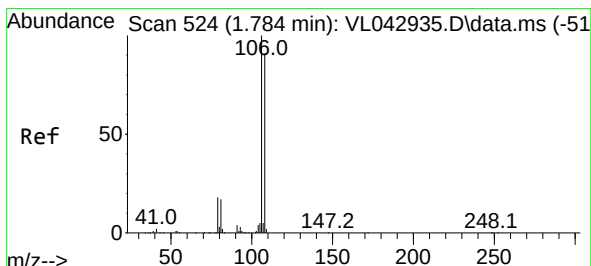
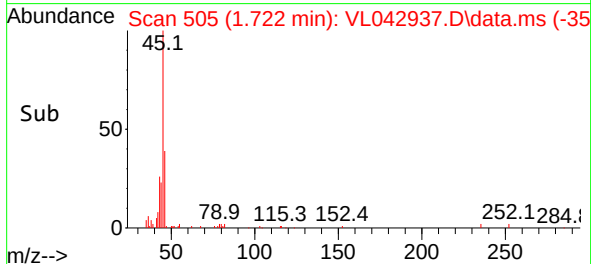
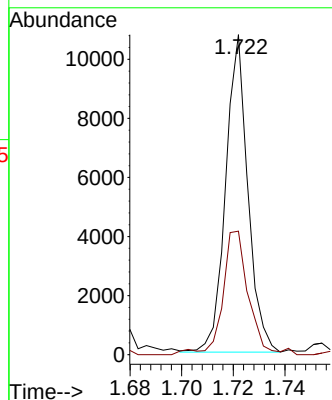
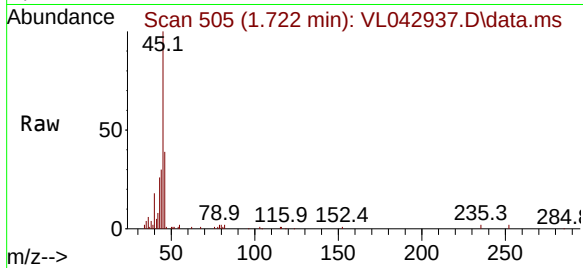




#13
Ethanol
Concen: 7.003 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

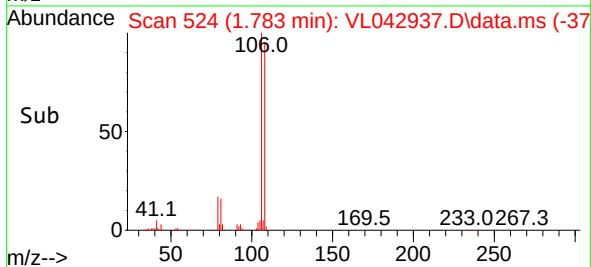
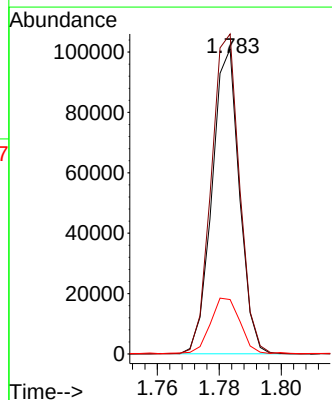
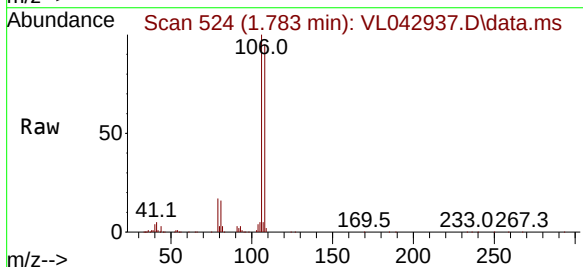
Instrument :
MSVOA_L
ClientSampleId :

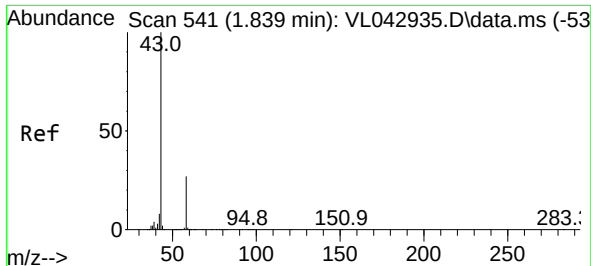
Tgt Ion: 45 Resp: 6424
Ion Ratio Lower Upper
45 100
46 46.0 16.5 66.1



#14
Bromoethene
Concen: 9.634 ppbv
RT: 1.783 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion: 108 Resp: 61980
Ion Ratio Lower Upper
108 100
106 108.5 86.0 129.0
79 20.0 17.2 25.8

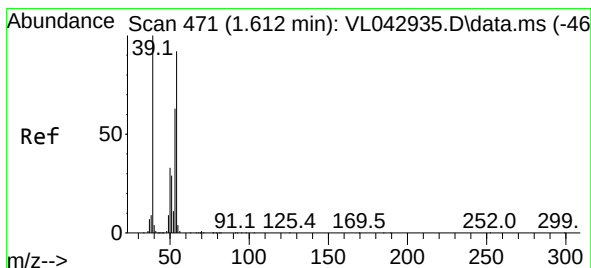
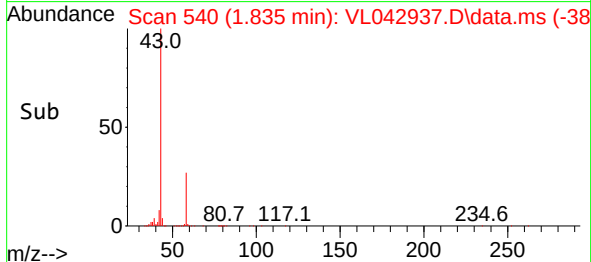
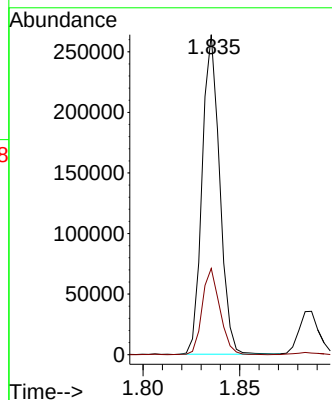
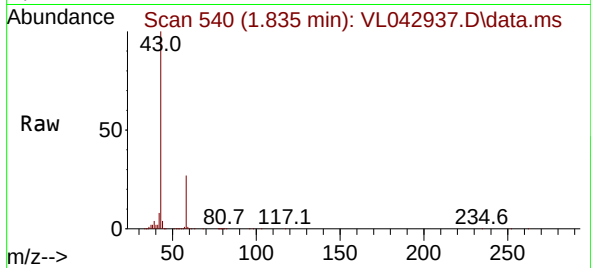




#15
Acetone
Concen: 8.277 ppbv
RT: 1.835 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

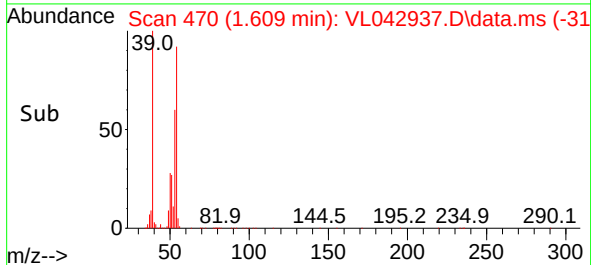
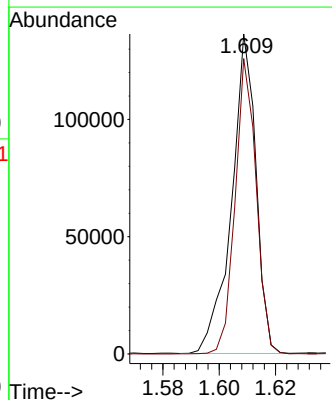
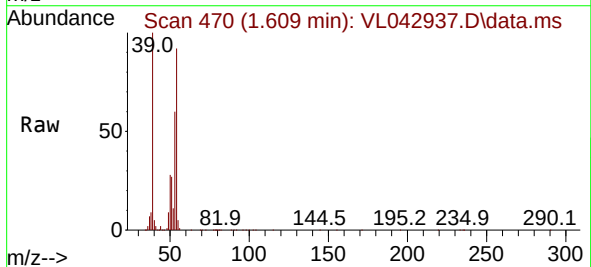
Instrument :
MSVOA_L
ClientSampleId :

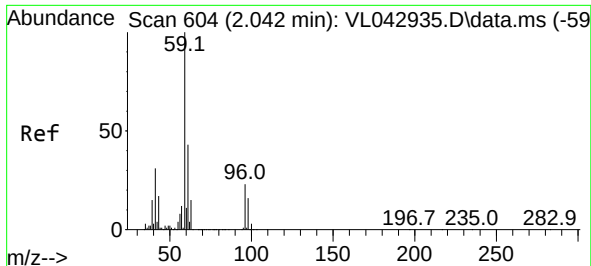
Tgt Ion: 43 Resp: 166535
Ion Ratio Lower Upper
43 100
58 27.3 22.2 33.2



#16
1,3-Butadiene
Concen: 9.755 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion: 39 Resp: 82098
Ion Ratio Lower Upper
39 100
54 79.7 62.2 93.4





#17

tert-Butyl alcohol

Concen: 10.080 ppbv

RT: 2.039 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

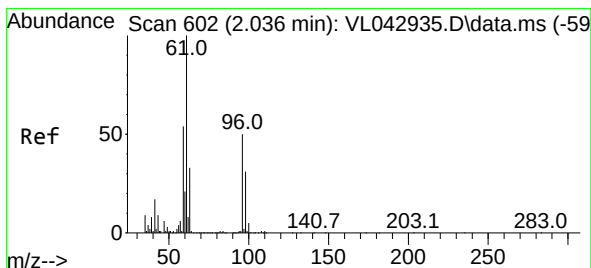
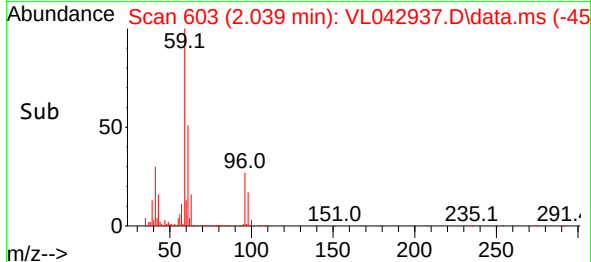
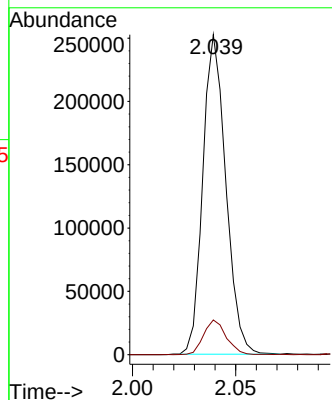
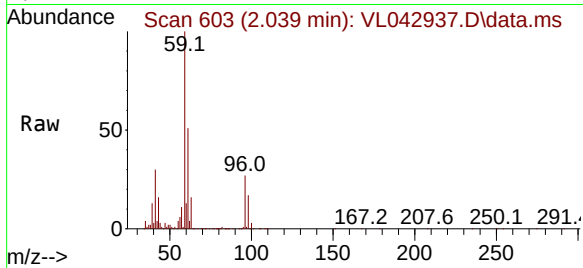
ClientSampleId :

Tgt Ion: 59 Resp: 195293

Ion Ratio Lower Upper

59 100

57 10.8 9.0 13.6



#18

1,1-Dichloroethene

Concen: 10.208 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

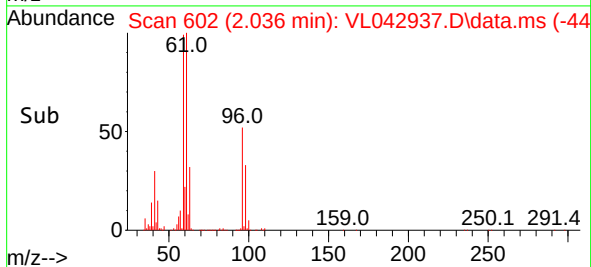
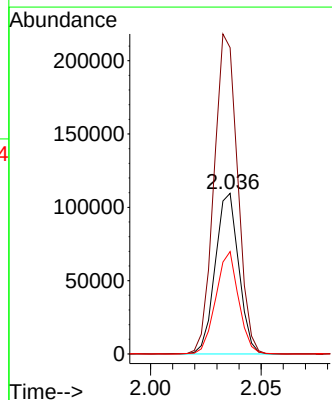
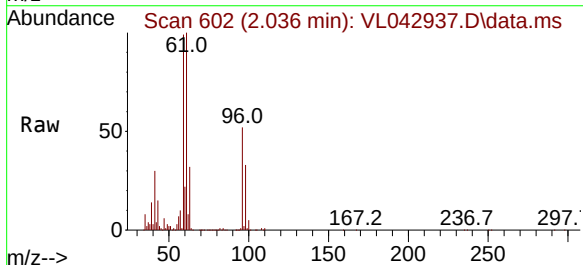
Tgt Ion: 96 Resp: 80688

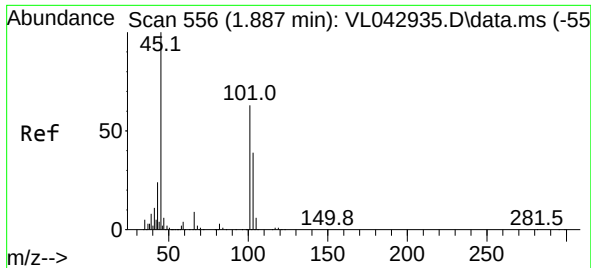
Ion Ratio Lower Upper

96 100

61 190.6 161.1 241.7

98 63.7 50.7 76.1

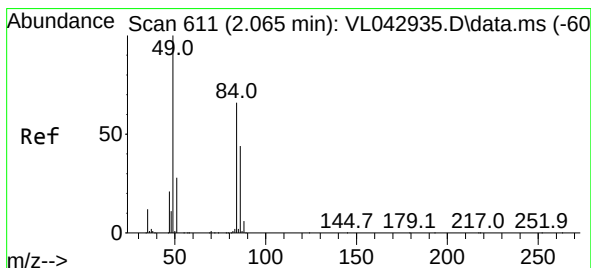
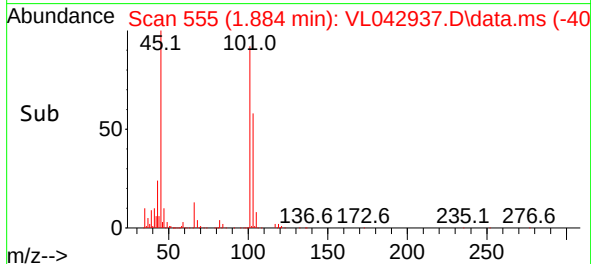
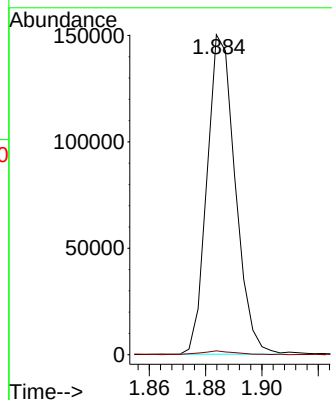
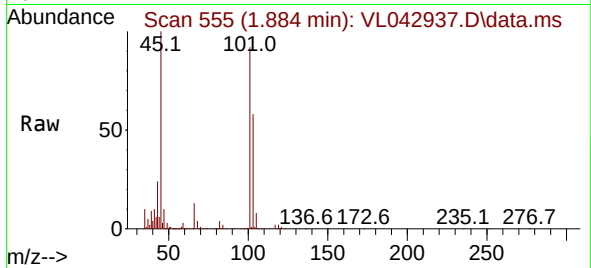




#19
Isopropyl Alcohol
Concen: 9.679 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

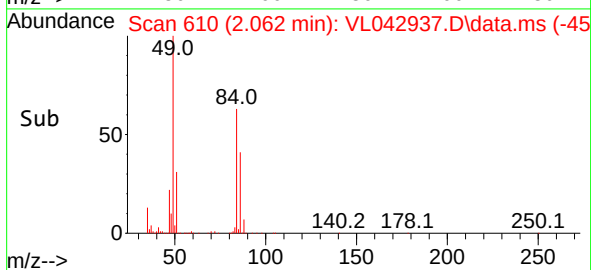
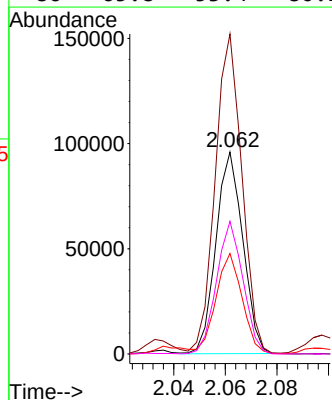
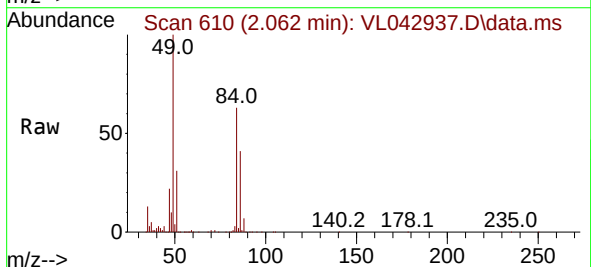
Instrument :
MSVOA_L
ClientSampleId :

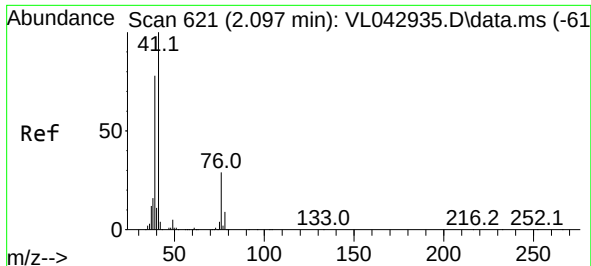
Tgt Ion: 45 Resp: 104411
Ion Ratio Lower Upper
45 100
58 43.5 2.0 3.0#



#20
Methylene Chloride
Concen: 7.931 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion: 84 Resp: 69478
Ion Ratio Lower Upper
84 100
49 158.4 121.8 182.6
51 49.6 35.6 53.4
86 65.8 53.4 80.2

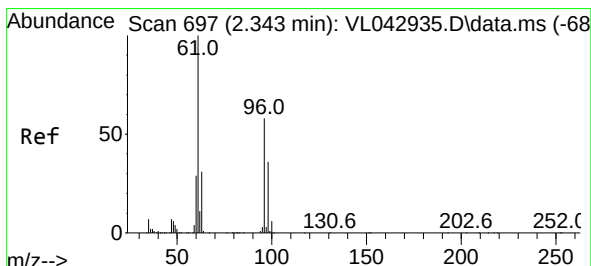
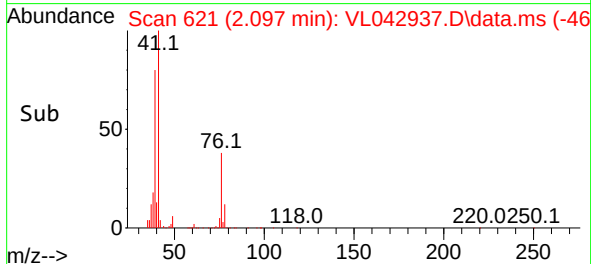
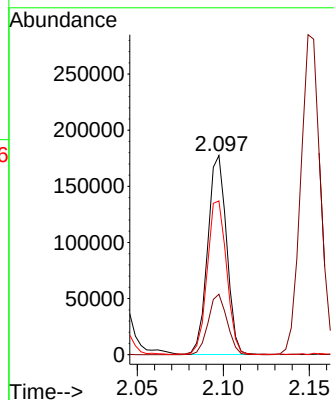
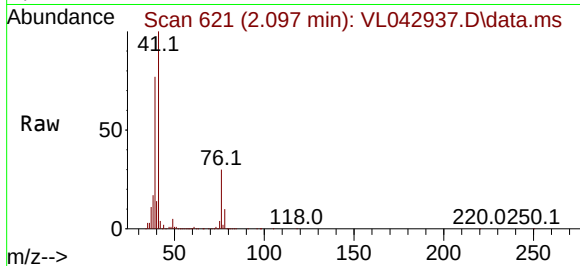




#21
 Allyl Chloride
 Concen: 9.906 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52

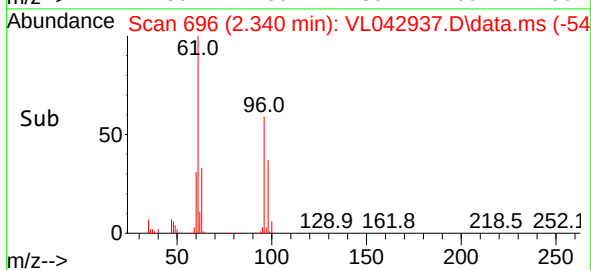
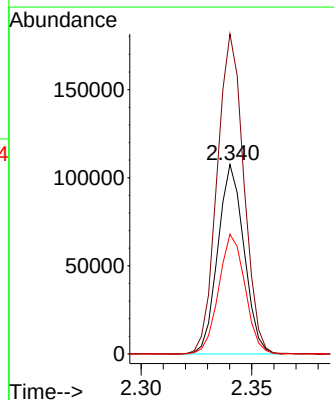
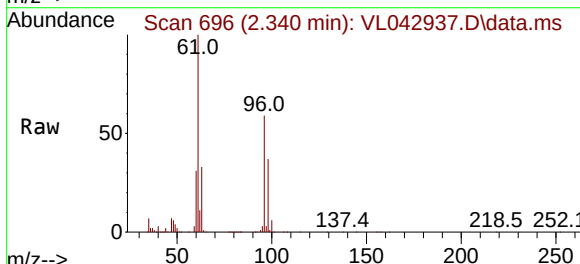
Instrument :
 MSVOA_L
 ClientSampleId :

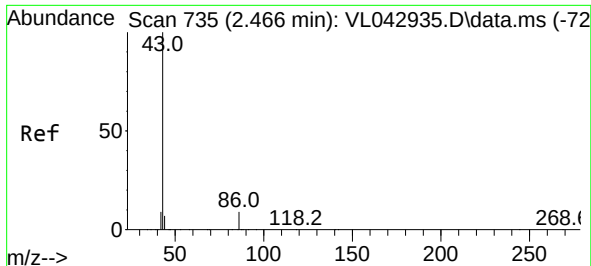
Tgt Ion: 41 Resp: 135109
 Ion Ratio Lower Upper
 41 100
 76 30.3 23.8 35.6
 39 78.6 63.2 94.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.873 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52

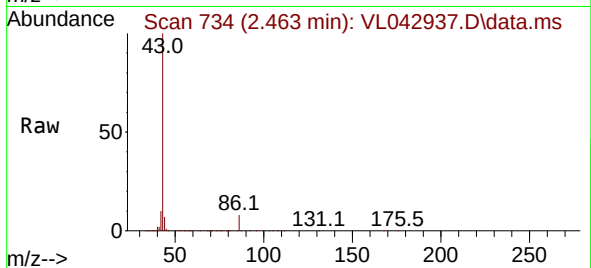
Tgt Ion: 96 Resp: 88461
 Ion Ratio Lower Upper
 96 100
 61 168.9 139.0 208.6
 98 63.2 49.4 74.2





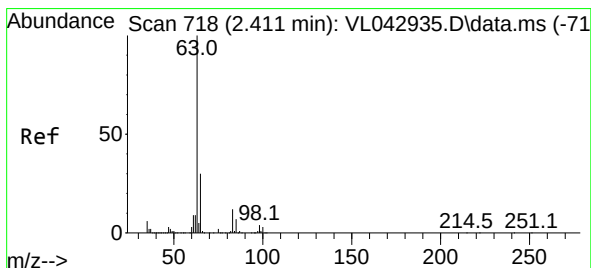
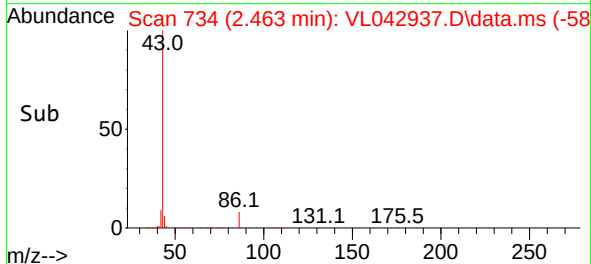
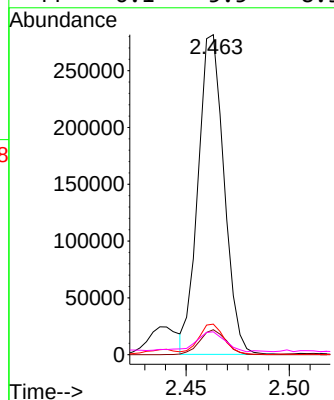
#23
 Vinyl Acetate
 Concen: 10.514 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 245812

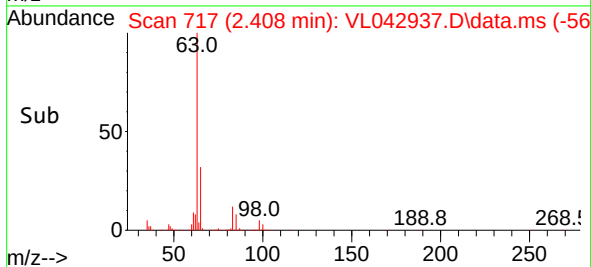
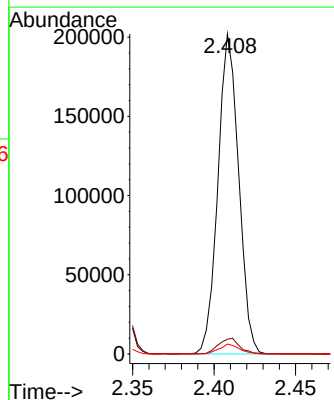
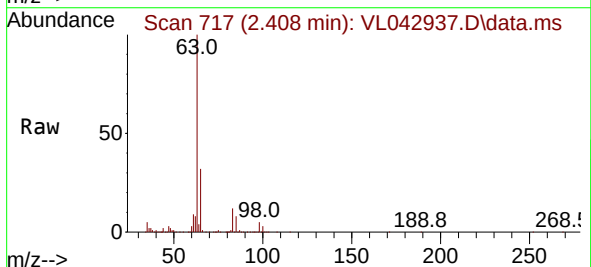
Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.4	9.6
42	9.4	7.5	11.3
44	6.1	5.5	8.3

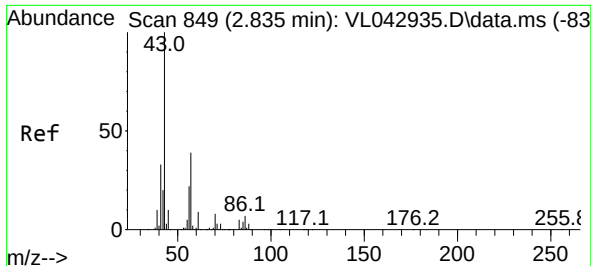


#24
 1,1-Dichloroethane
 Concen: 10.097 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52

Tgt Ion: 63 Resp: 178694

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.2	6.6
100	3.1	1.7	5.1





#25

Ethyl Acetate

Concen: 10.840 ppbv

RT: 2.832 min Scan# 84

Delta R.T. -0.003 min

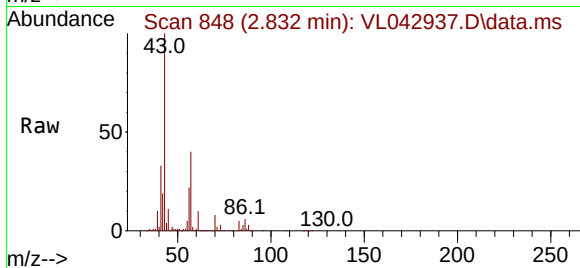
Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 465727

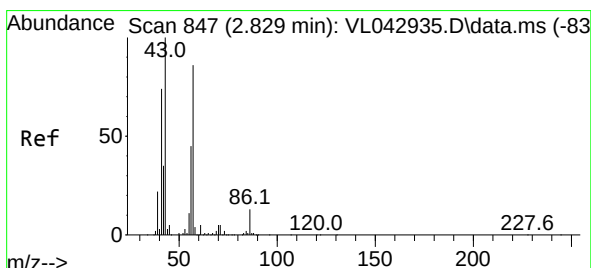
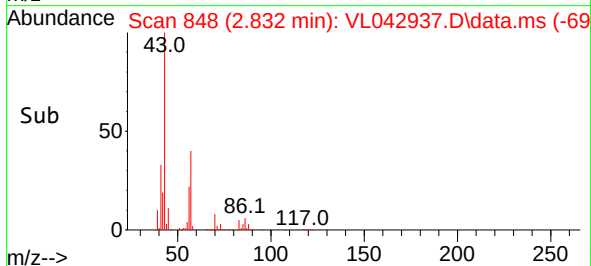
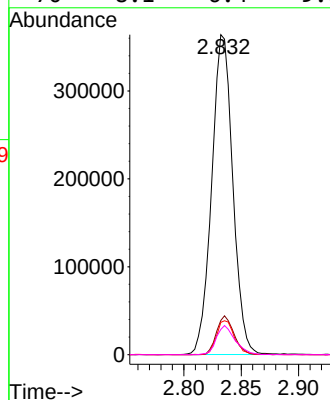
Ion Ratio Lower Upper

43 100

45 10.2 7.8 11.8

61 9.1 7.2 10.8

70 8.1 6.4 9.6



#26

Hexane

Concen: 11.633 ppbv

RT: 2.826 min Scan# 846

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Tgt Ion: 57 Resp: 214492

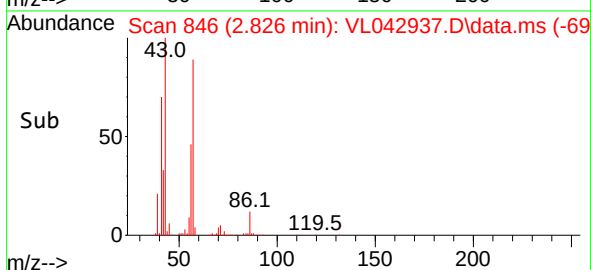
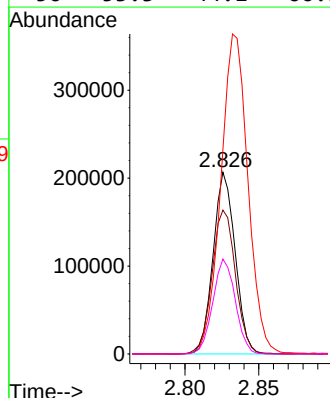
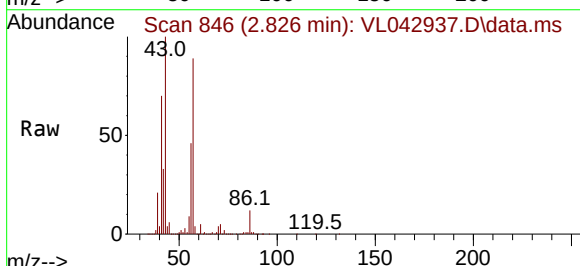
Ion Ratio Lower Upper

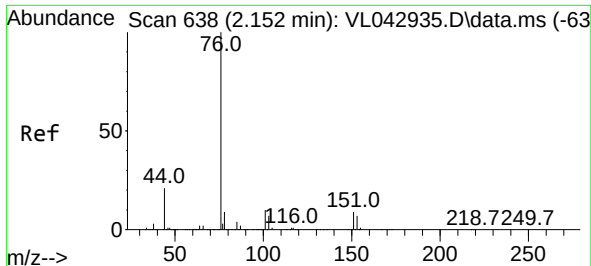
57 100

41 85.1 71.3 106.9

43 217.7 183.9 275.9

56 53.3 44.1 66.1

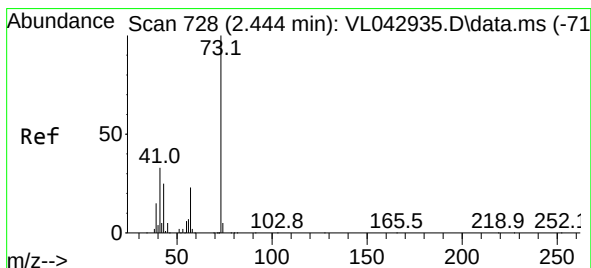
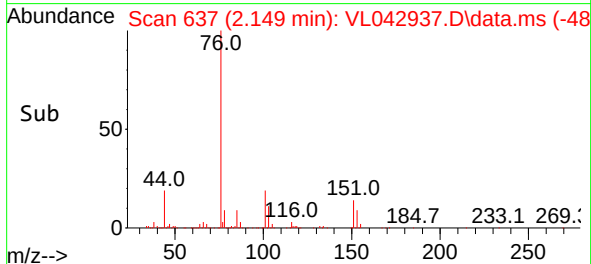
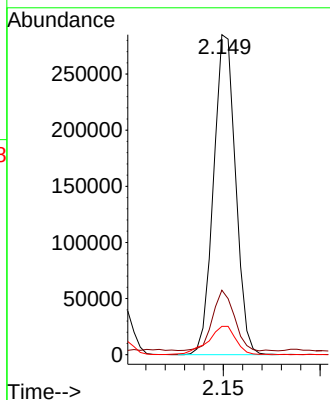
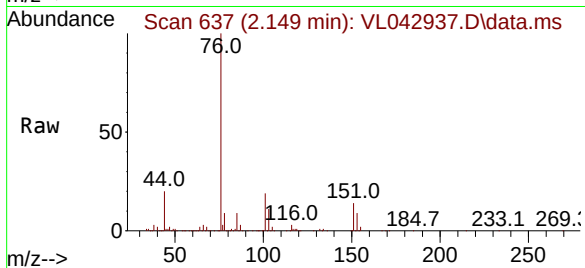




#27
Carbon Disulfide
Concen: 9.897 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

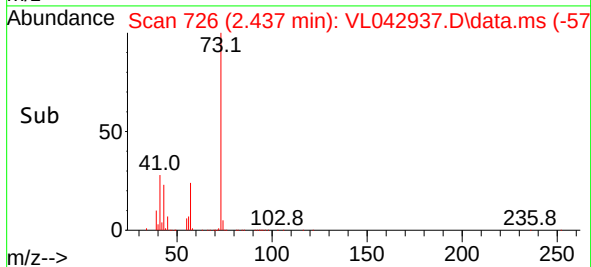
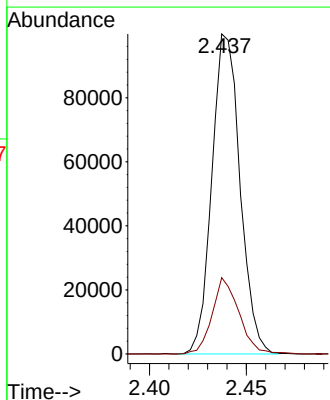
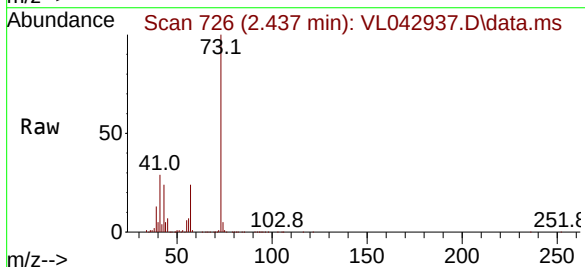
Instrument :
MSVOA_L
ClientSampleId :

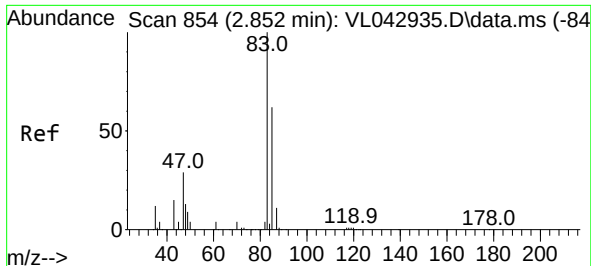
Tgt Ion: 76 Resp: 225070
Ion Ratio Lower Upper
76 100
44 18.9 15.4 23.0
78 11.3 9.1 13.7



#28
Methyl tert-Butyl Ether
Concen: 9.968 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.007 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion: 73 Resp: 100988
Ion Ratio Lower Upper
73 100
57 22.7 18.6 28.0





#29

Chloroform

Concen: 10.059 ppbv

RT: 2.848 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

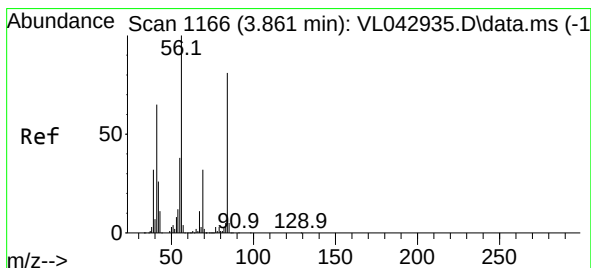
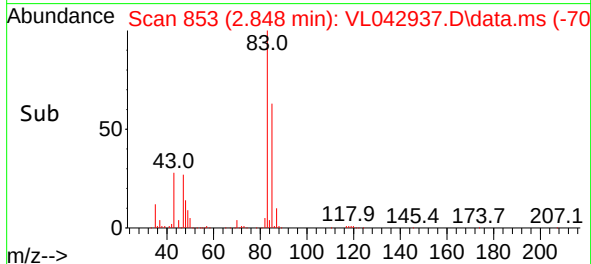
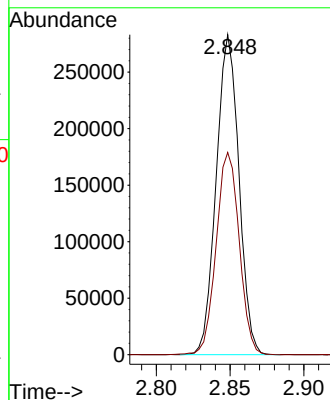
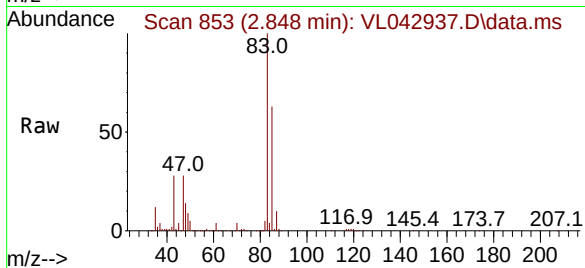
ClientSampleId :

Tgt Ion: 83 Resp: 303164

Ion Ratio Lower Upper

83 100

85 63.2 49.7 74.5



#30

Cyclohexane

Concen: 12.237 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

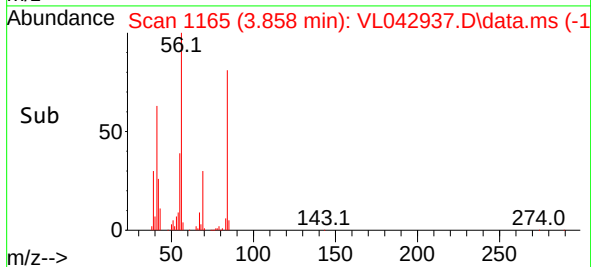
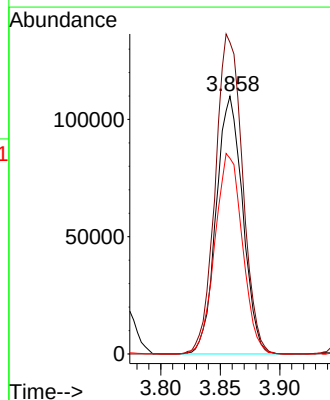
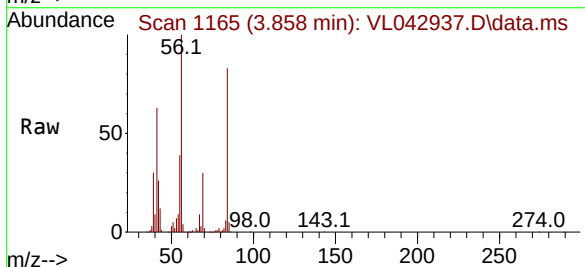
Tgt Ion: 84 Resp: 169974

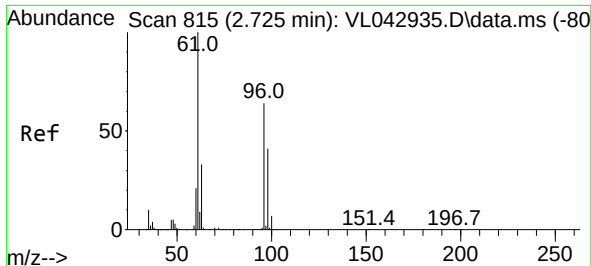
Ion Ratio Lower Upper

84 100

56 127.6 100.6 150.8

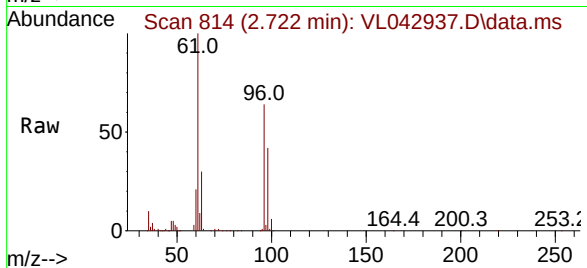
41 80.6 65.4 98.0



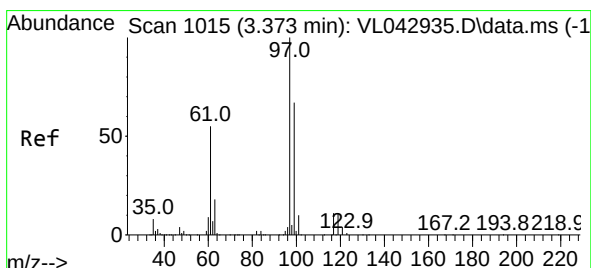
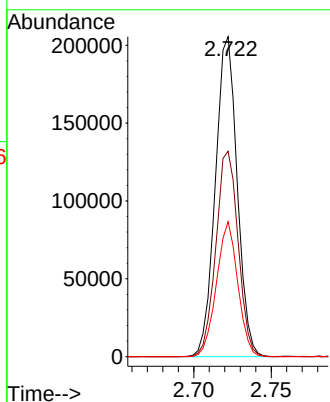
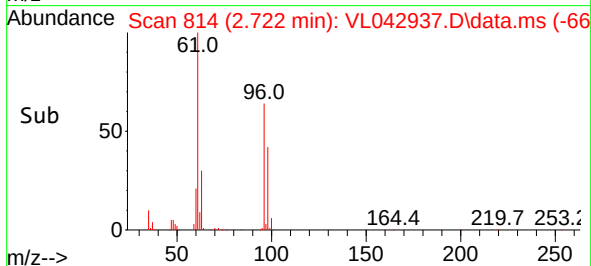


#31
 cis-1,2-Dichloroethene
 Concen: 11.188 ppbv
 RT: 2.722 min Scan# 815
 Delta R.T. -0.003 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52

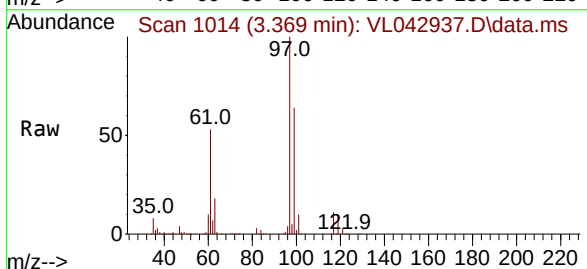
Instrument :
 MSVOA_L
 ClientSampleId :



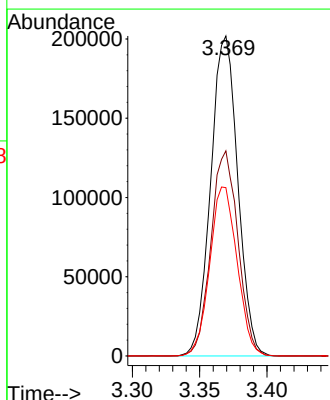
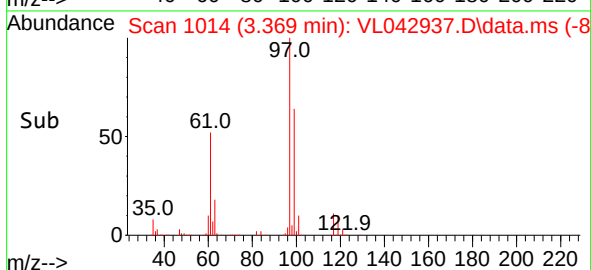
Tgt Ion: 61 Resp: 201417
 Ion Ratio Lower Upper
 61 100
 96 64.2 51.4 77.2
 98 42.2 32.8 49.2

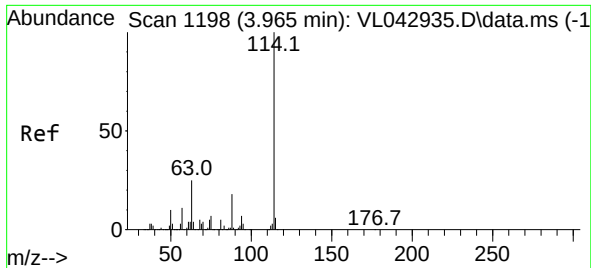


#32
 1,1,1-Trichloroethane
 Concen: 10.012 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. -0.003 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52



Tgt Ion: 97 Resp: 282320
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.0 76.4
 61 53.4 43.2 64.8

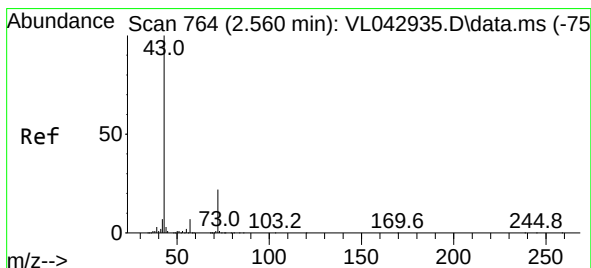
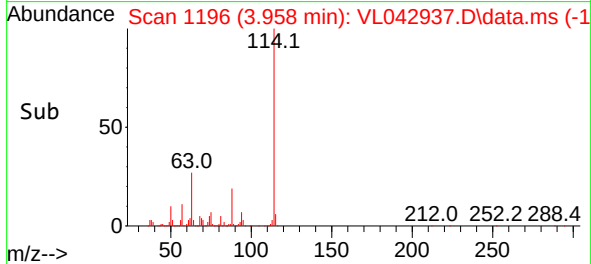
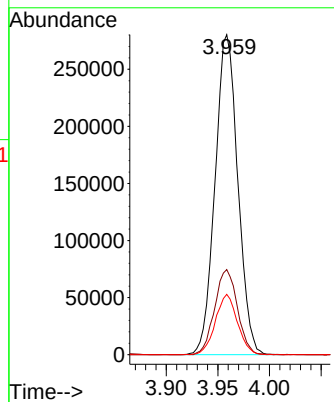
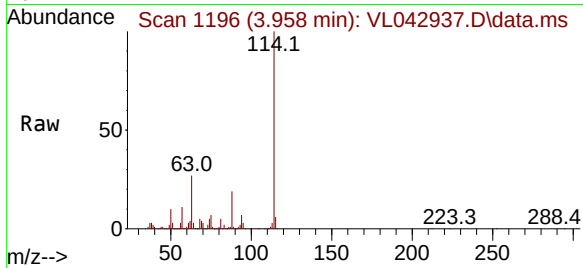




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.958 min Scan# 1196
Delta R.T. -0.007 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

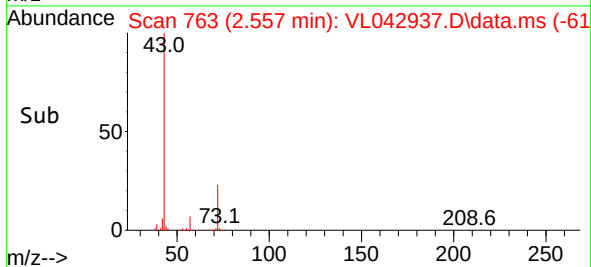
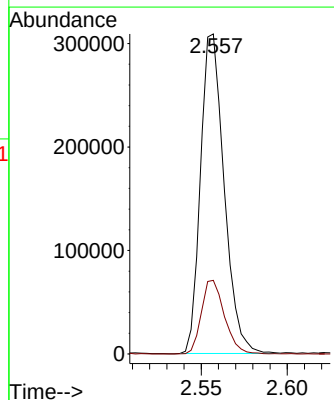
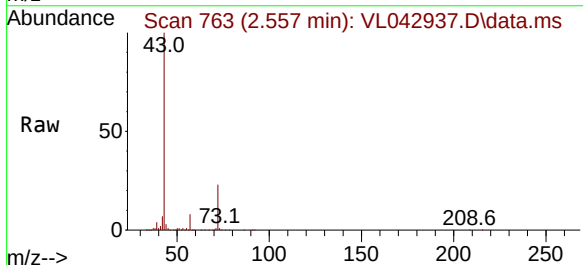
Instrument :
MSVOA_L
ClientSampleId :

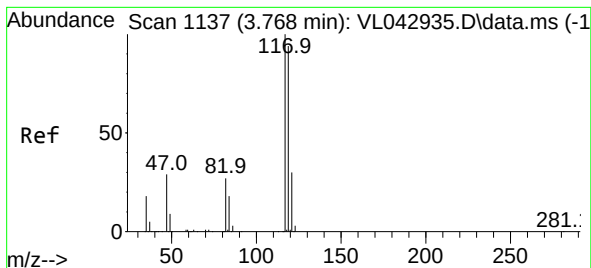
Tgt Ion:114 Resp: 429845
Ion Ratio Lower Upper
114 100
63 26.6 21.1 31.7
88 18.3 14.6 22.0



#34
2-Butanone
Concen: 10.594 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion: 43 Resp: 295206
Ion Ratio Lower Upper
43 100
72 22.5 17.2 25.8





#35

Carbon Tetrachloride

Concen: 9.398 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. -0.007 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

ClientSampleId :

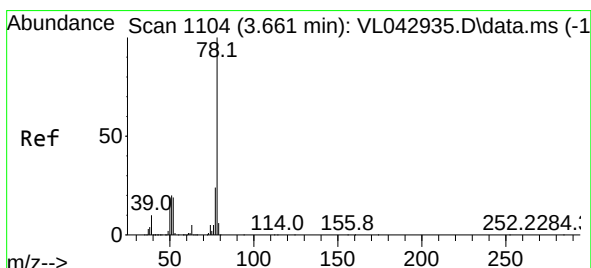
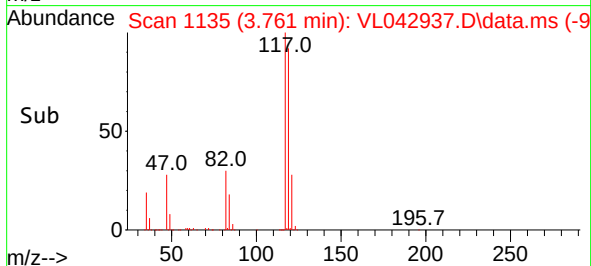
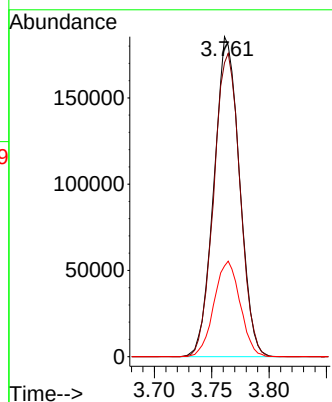
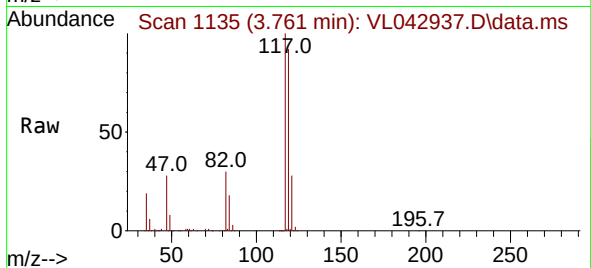
Tgt Ion:117 Resp: 287165

Ion Ratio Lower Upper

117 100

119 91.9 74.9 112.3

121 28.4 24.0 36.0



#36

Benzene

Concen: 10.911 ppbv

RT: 3.657 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

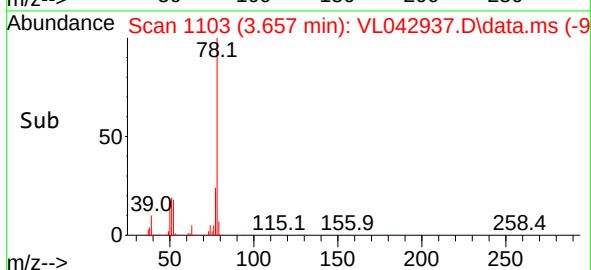
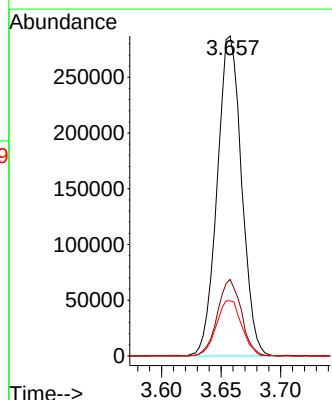
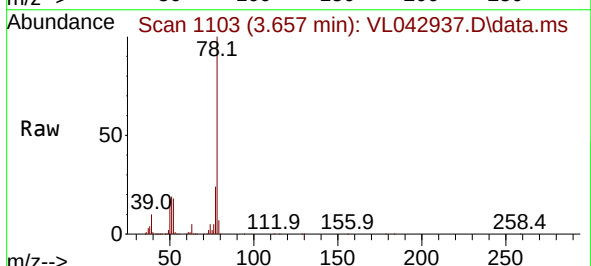
Tgt Ion: 78 Resp: 409107

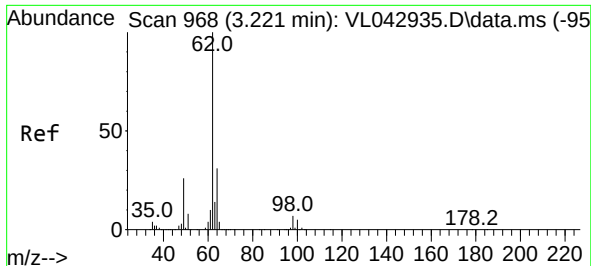
Ion Ratio Lower Upper

78 100

77 23.9 19.2 28.8

50 17.2 14.8 22.2

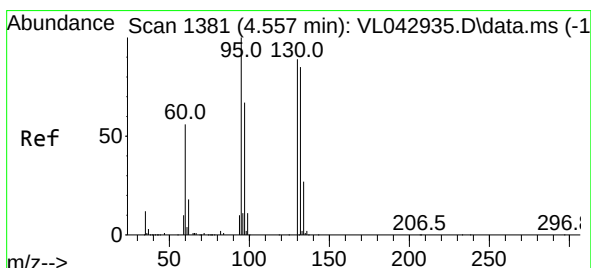
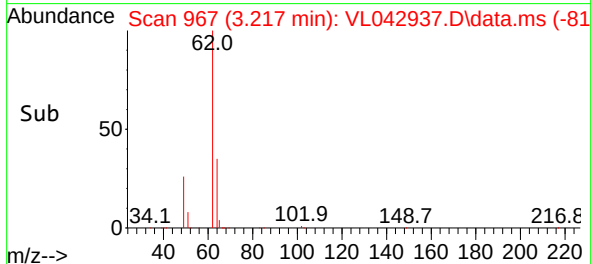
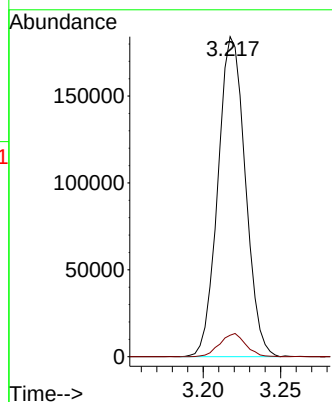
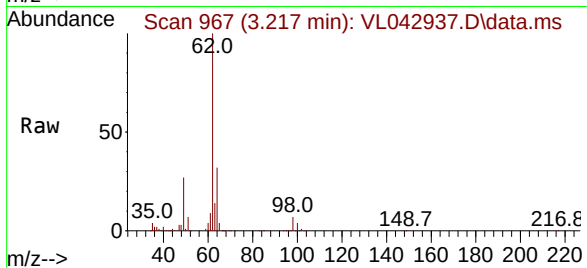




#37
1,2-Dichloroethane
Concen: 10.107 ppbv
RT: 3.217 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

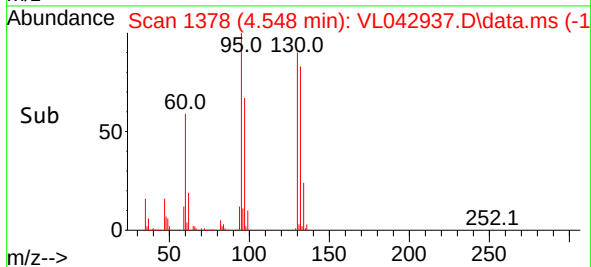
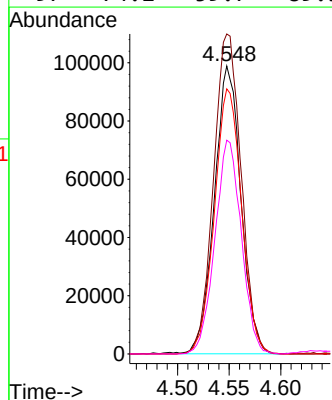
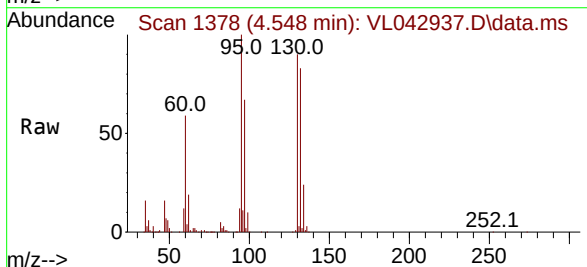
Instrument :
MSVOA_L
ClientSampleId :

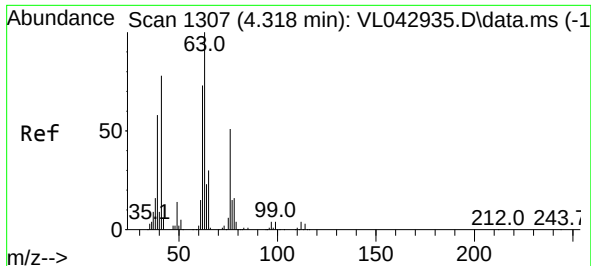
Tgt Ion: 62 Resp: 226948
Ion Ratio Lower Upper
62 100
98 6.8 5.5 8.3



#38
Trichloroethene
Concen: 10.395 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.010 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion:130 Resp: 176428
Ion Ratio Lower Upper
130 100
95 111.1 89.8 134.6
132 92.1 76.3 114.5
97 74.2 59.7 89.5





#39

1,2-Dichloropropane

Concen: 10.208 ppbv

RT: 4.315 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

ClientSampleId :

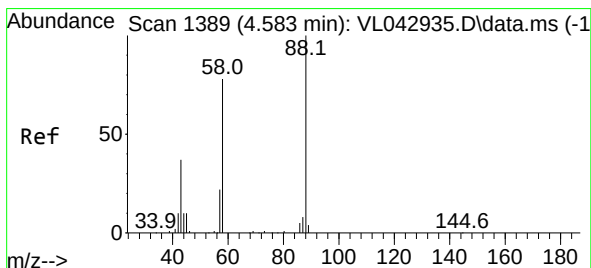
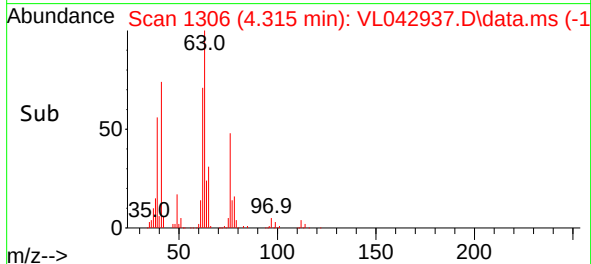
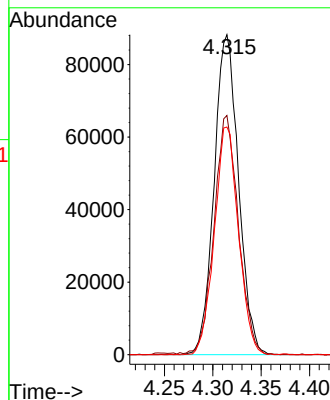
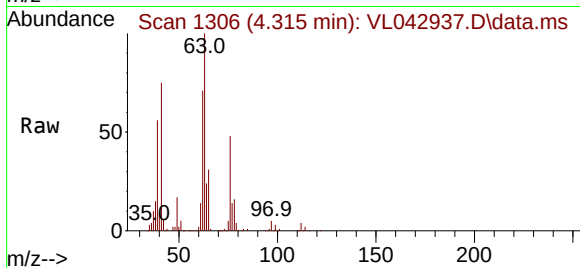
Tgt Ion: 63 Resp: 154678

Ion Ratio Lower Upper

63 100

41 74.7 62.7 94.1

62 71.2 58.4 87.6



#40

1,4-Dioxane

Concen: 11.567 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Tgt Ion: 88 Resp: 62205

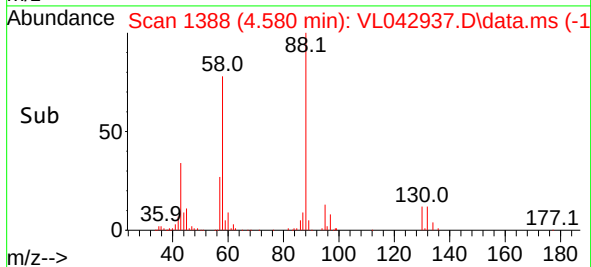
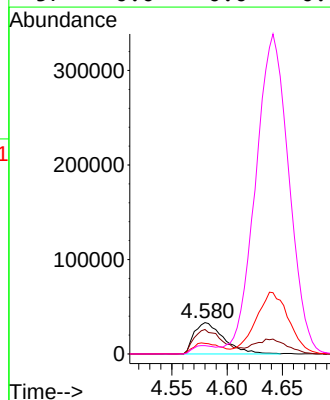
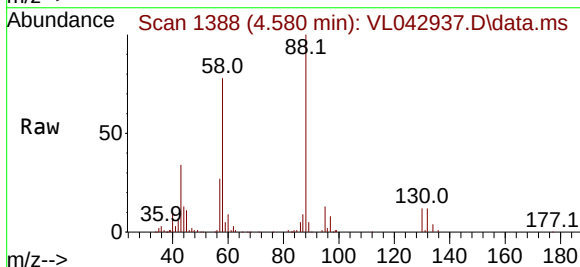
Ion Ratio Lower Upper

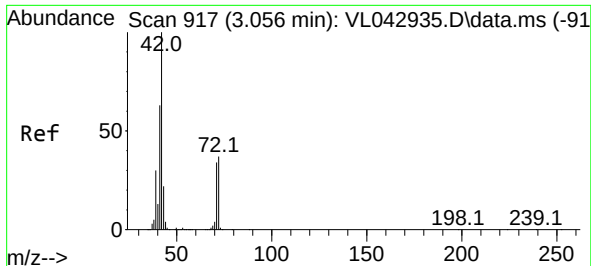
88 100

58 72.8 61.5 92.3

43 31.4 28.3 42.5

57 0.0 0.0 0.0

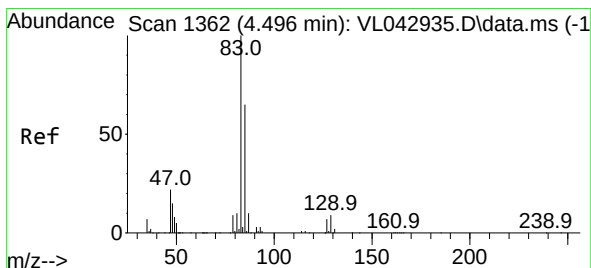
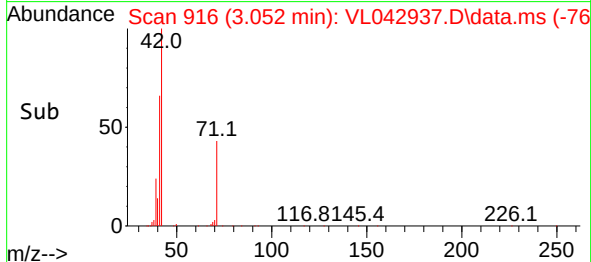
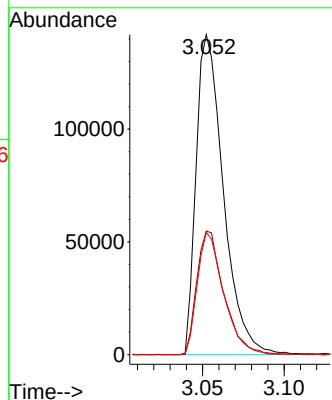
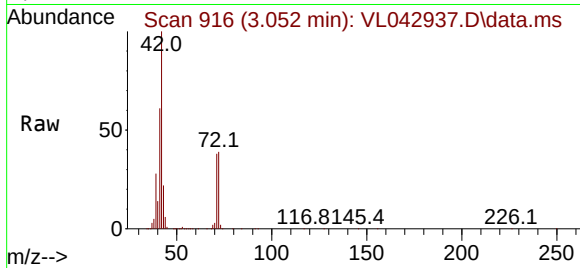




#41
Tetrahydrofuran
Concen: 11.951 ppbv
RT: 3.052 min Scan# 917
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

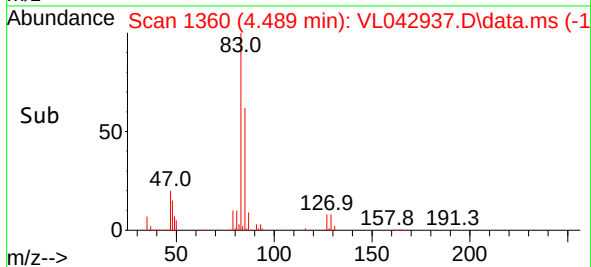
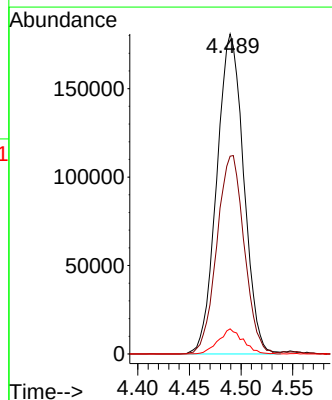
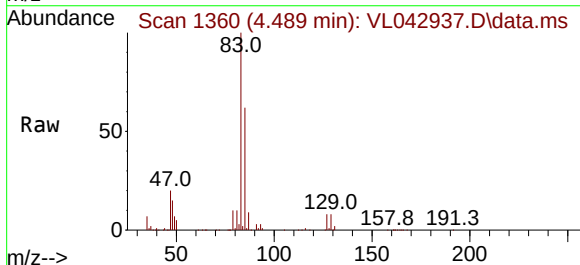
Instrument :
MSVOA_L
ClientSampleId :

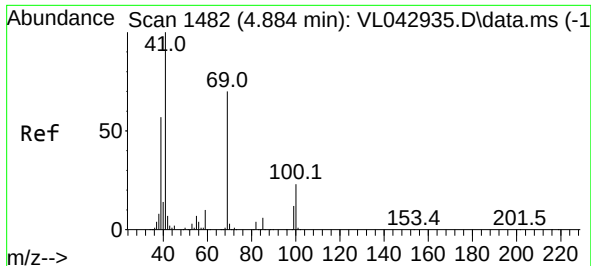
Tgt Ion: 42 Resp: 164799
Ion Ratio Lower Upper
42 100
72 38.4 30.4 45.6
71 37.0 28.3 42.5



#42
Bromodichloromethane
Concen: 10.181 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.007 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion: 83 Resp: 328094
Ion Ratio Lower Upper
83 100
85 61.8 52.1 78.1
127 7.8 6.0 9.0

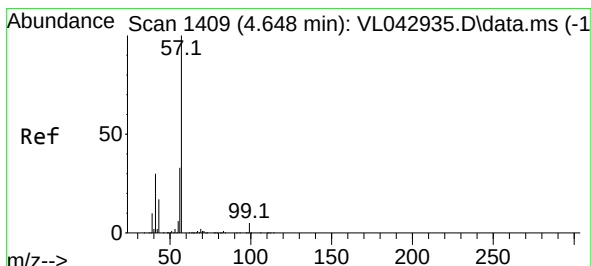
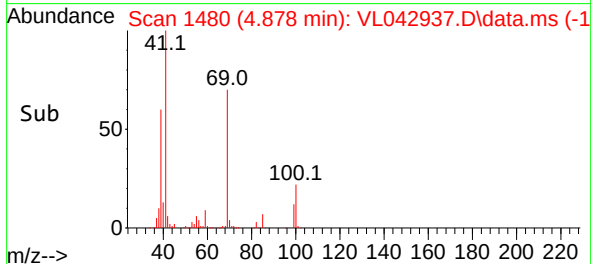
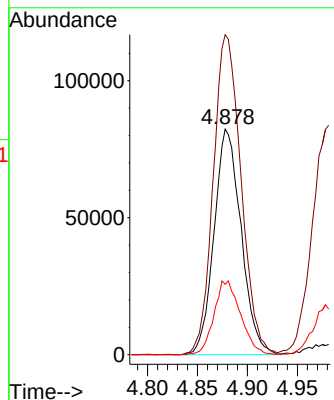
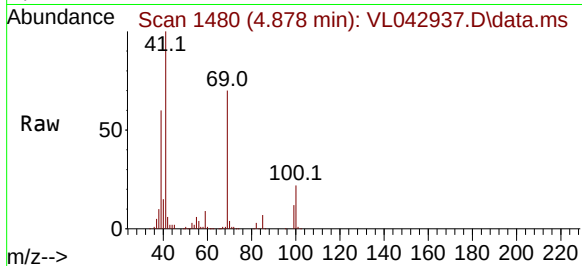




#43
Methyl Methacrylate
Concen: 12.345 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. -0.007 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

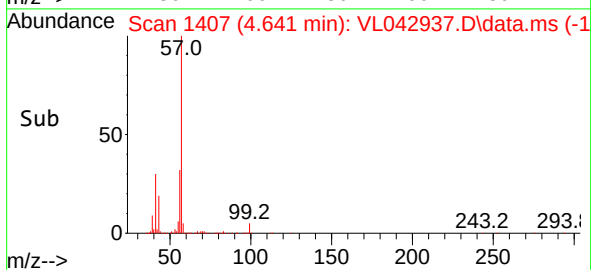
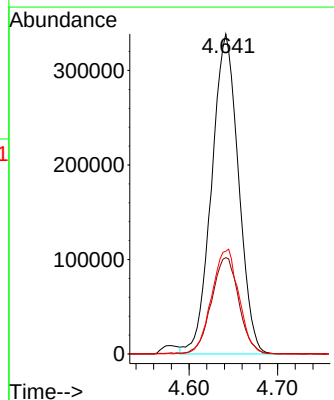
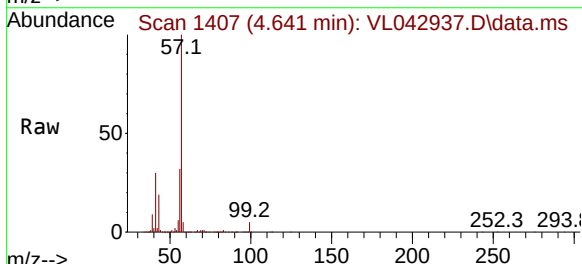
Instrument :
MSVOA_L
ClientSampleId :

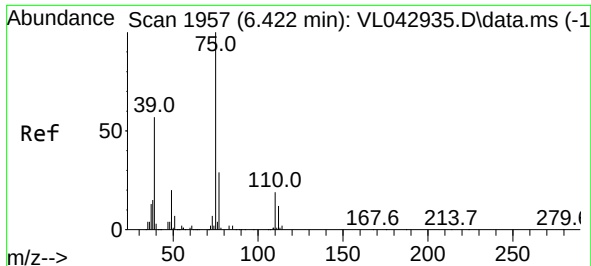
Tgt Ion: 69 Resp: 154971
Ion Ratio Lower Upper
69 100
41 145.2 118.6 178.0
100 32.2 26.2 39.4



#44
2,2,4-Trimethylpentane
Concen: 11.419 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. -0.007 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion: 57 Resp: 714131
Ion Ratio Lower Upper
57 100
41 30.9 25.8 38.6
56 33.2 26.2 39.4





#45

t-1,3-Dichloropropene

Concen: 12.012 ppbv

RT: 6.415 min Scan# 1955

Delta R.T. -0.007 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

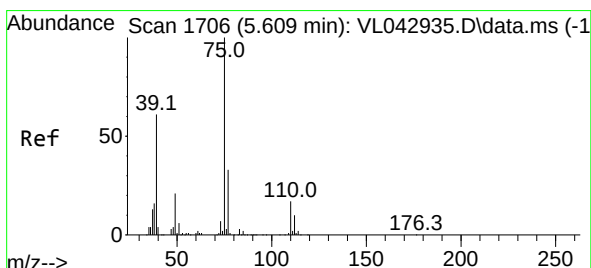
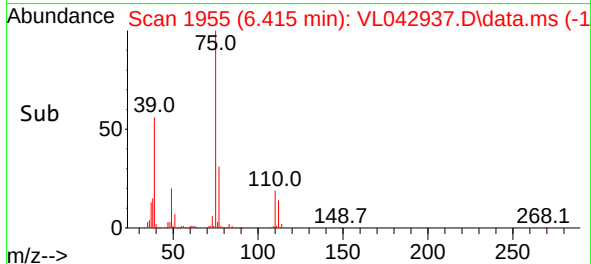
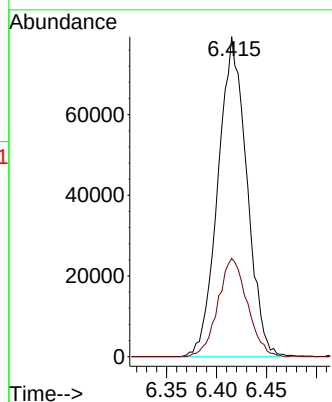
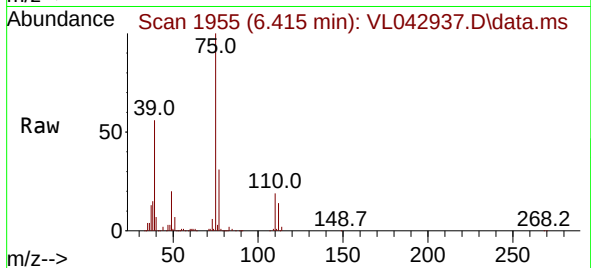
ClientSampleId :

Tgt Ion: 75 Resp: 159002

Ion Ratio Lower Upper

75 100

77 30.7 23.5 35.3



#46

cis-1,3-Dichloropropene

Concen: 11.827 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. -0.007 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

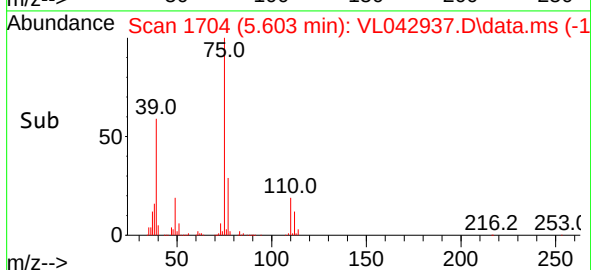
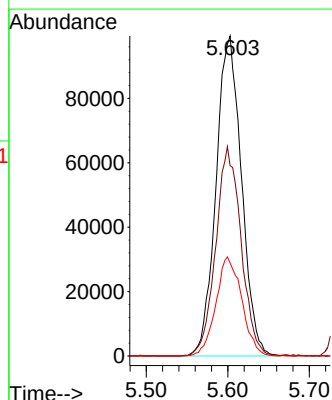
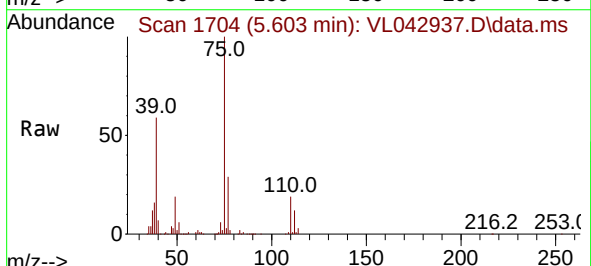
Tgt Ion: 75 Resp: 215811

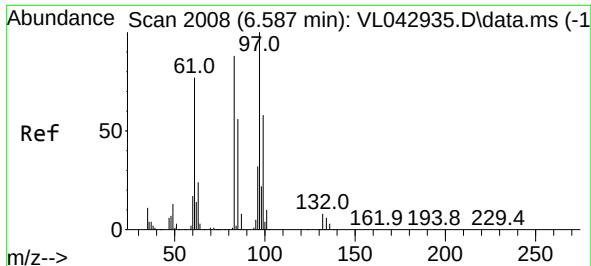
Ion Ratio Lower Upper

75 100

39 59.5 49.0 73.4

77 29.0 26.2 39.2



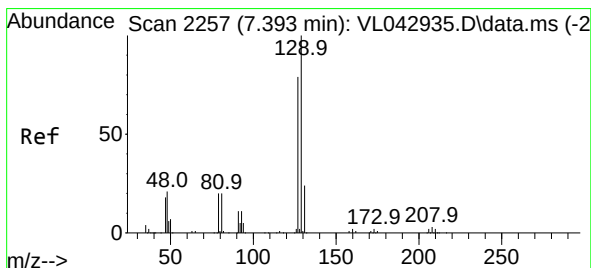
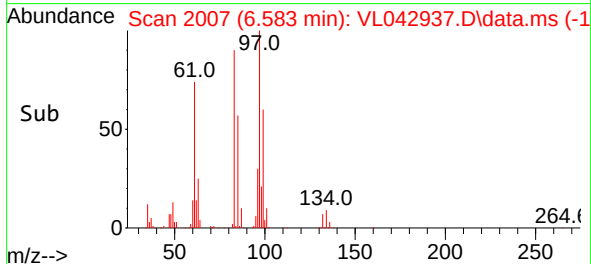
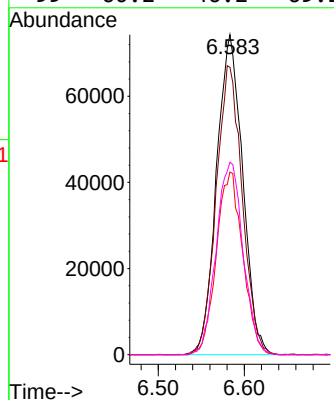
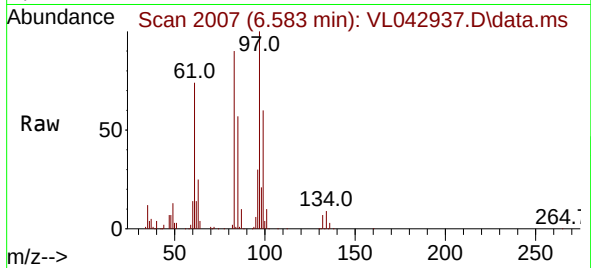


#47
 1,1,2-Trichloroethane
 Concen: 10.115 ppbv
 RT: 6.583 min Scan# 2008
 Delta R.T. -0.003 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 97 Resp: 156292

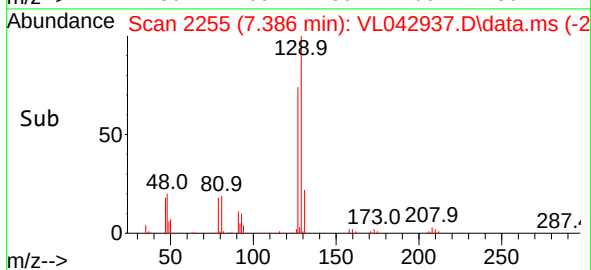
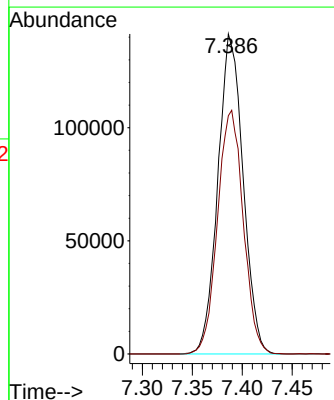
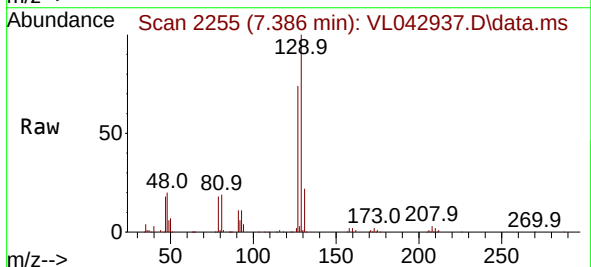
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.6	106.0
85	57.1	44.9	67.3
99	60.2	46.2	69.2

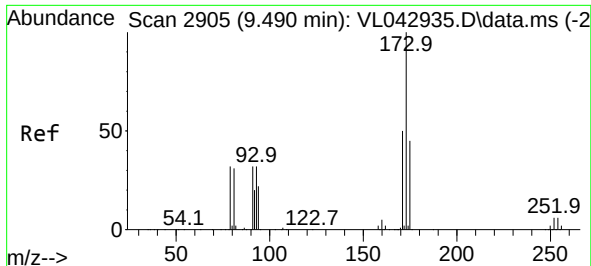


#48
 Dibromochloromethane
 Concen: 10.249 ppbv
 RT: 7.386 min Scan# 2255
 Delta R.T. -0.007 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52

Tgt Ion: 129 Resp: 248022

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.8	116.3





#49

Bromoform

Concen: 10.559 ppbv

RT: 9.483 min Scan# 2905

Delta R.T. -0.007 min

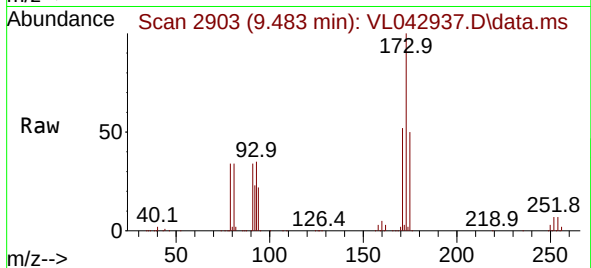
Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

ClientSampleId :



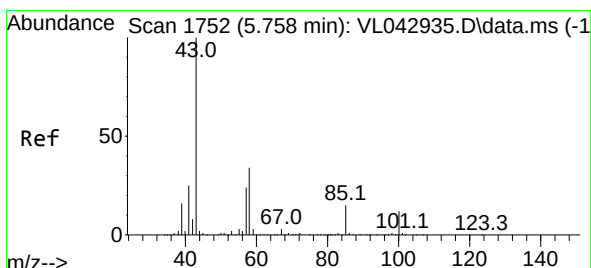
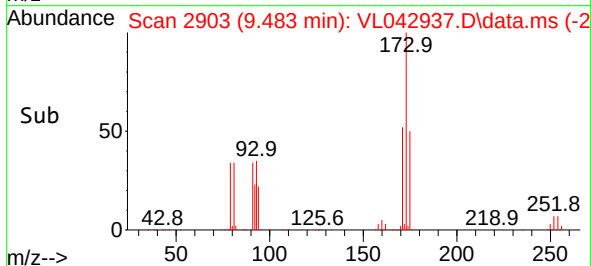
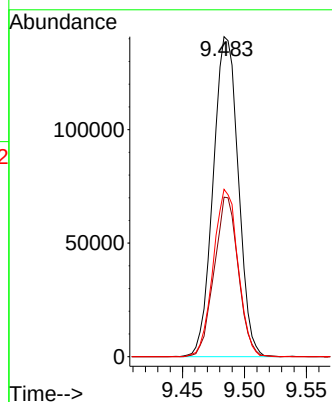
Tgt Ion:173 Resp: 199430

Ion Ratio Lower Upper

173 100

175 47.7 38.6 58.0

171 51.5 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 12.061 ppbv

RT: 5.748 min Scan# 1749

Delta R.T. -0.010 min

Lab File: VL042937.D

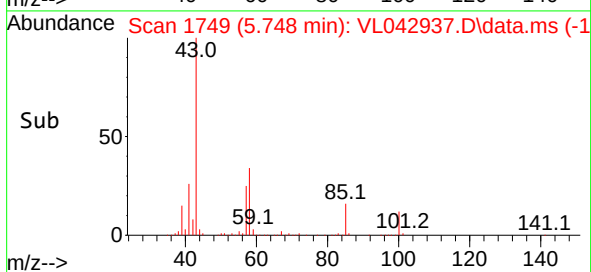
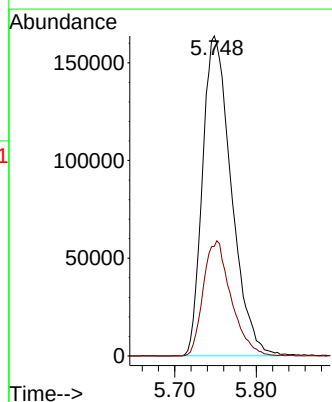
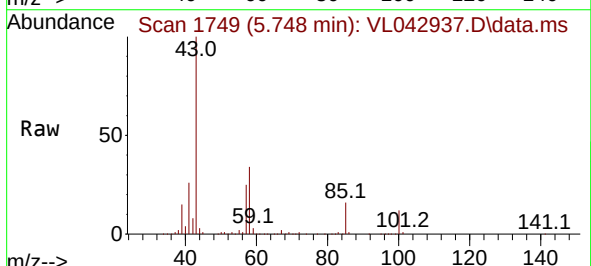
Acq: 17 Sep 2025 14:52

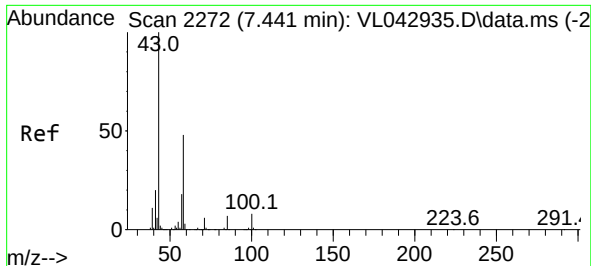
Tgt Ion: 43 Resp: 401816

Ion Ratio Lower Upper

43 100

58 34.9 27.5 41.3

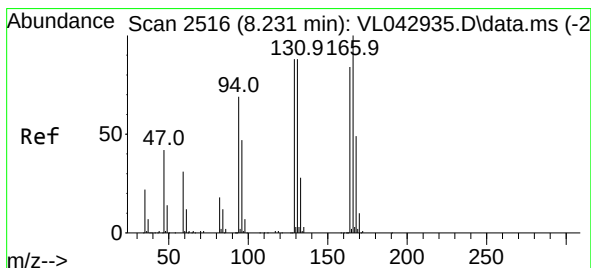
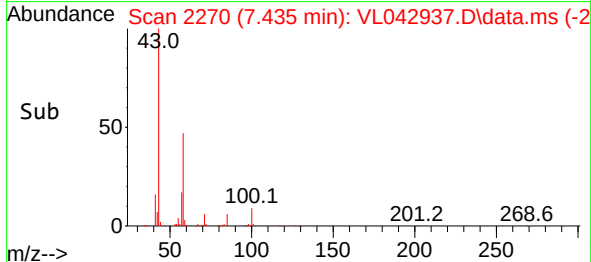
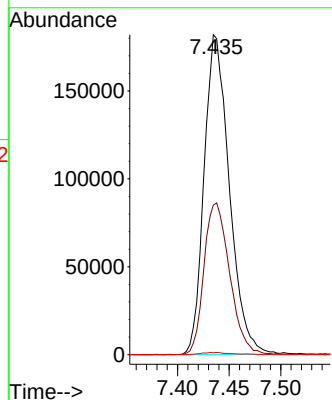
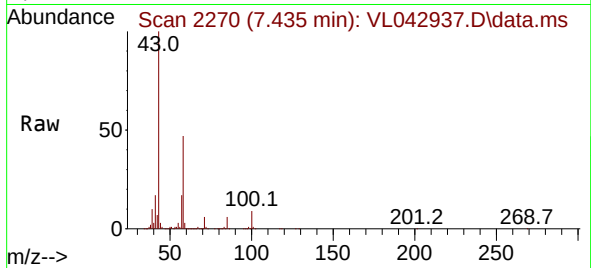




#51
2-Hexanone
Concen: 12.515 ppbv
RT: 7.435 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

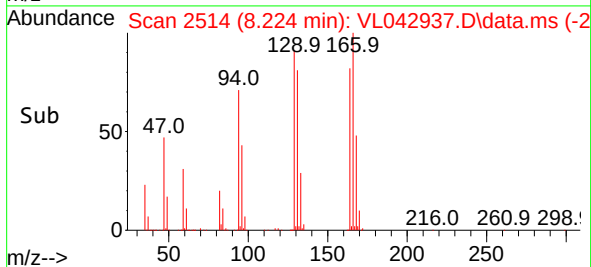
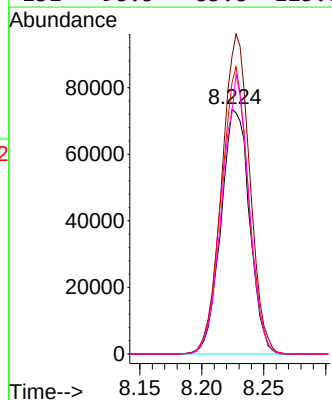
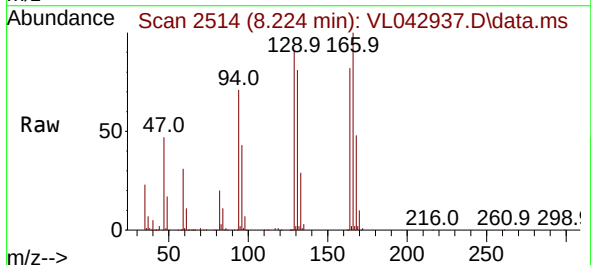
Instrument :
MSVOA_L
ClientSampleId :

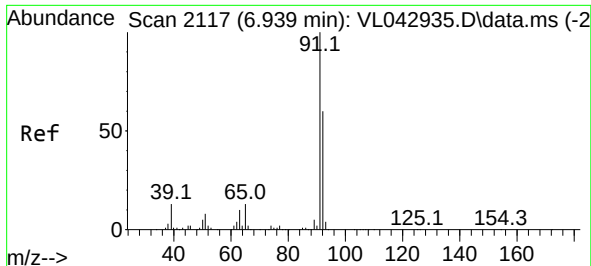
Tgt Ion: 43 Resp: 309643
Ion Ratio Lower Upper
43 100
58 48.5 37.9 56.9
98 0.9 0.7 1.1



#52
Tetrachloroethene
Concen: 10.191 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.007 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion: 164 Resp: 117822
Ion Ratio Lower Upper
164 100
166 121.6 95.4 143.0
129 110.9 84.0 126.0
131 98.5 83.8 125.8

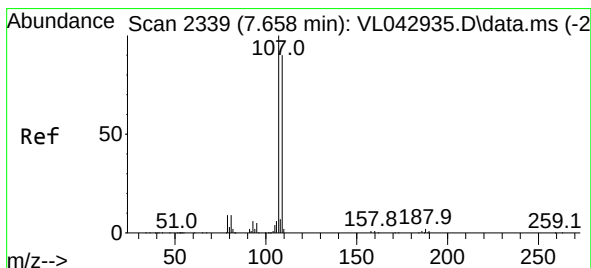
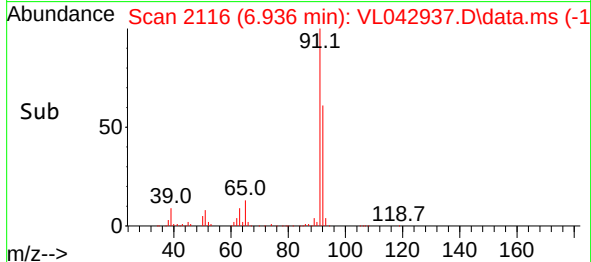
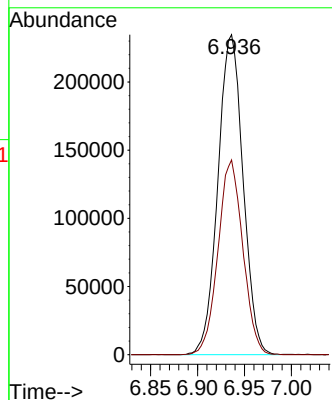
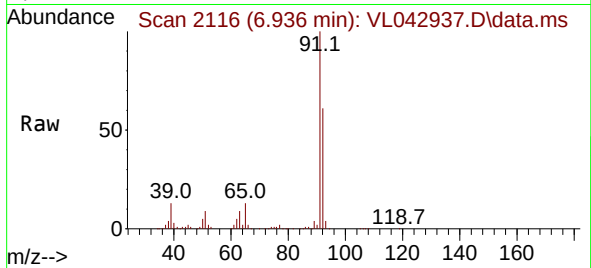




#53
Toluene
Concen: 12.514 ppbv
RT: 6.936 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

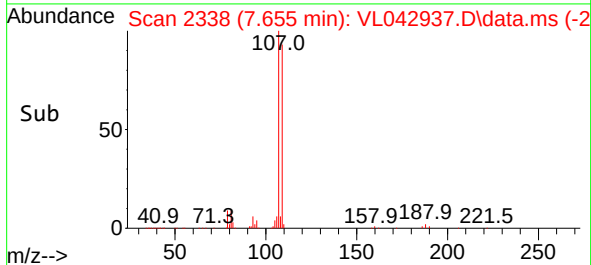
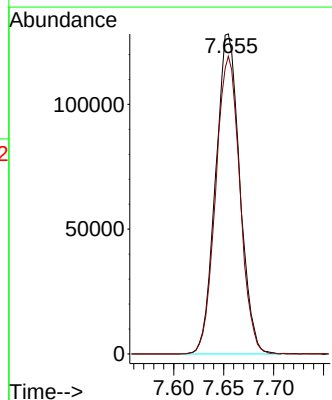
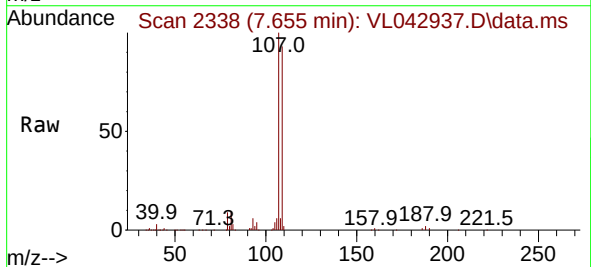
Instrument :
MSVOA_L
ClientSampleId :

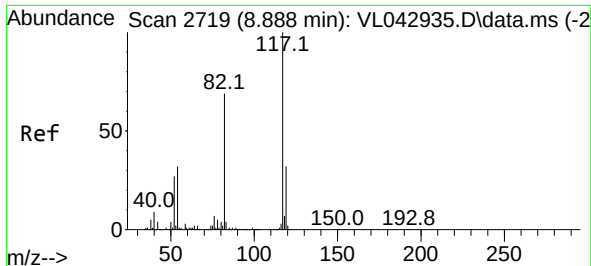
Tgt Ion: 91 Resp: 437541
Ion Ratio Lower Upper
91 100
92 59.9 47.4 71.2



#54
1,2-Dibromoethane
Concen: 10.868 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion: 107 Resp: 216018
Ion Ratio Lower Upper
107 100
109 93.1 71.8 107.6

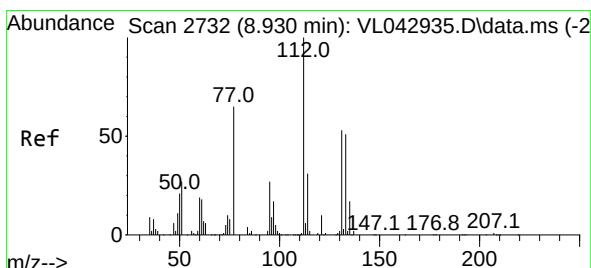
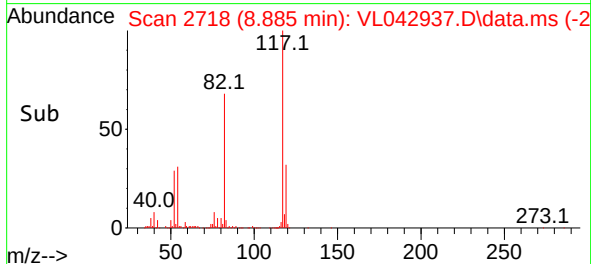
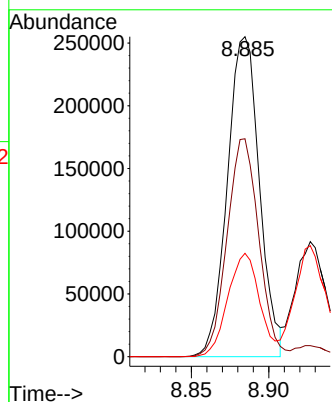
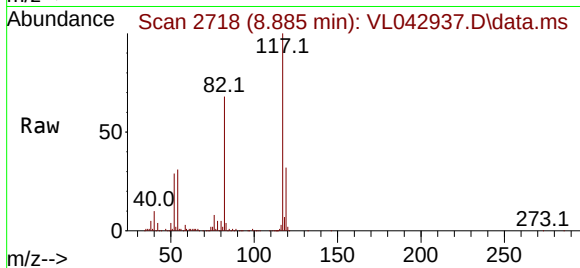




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

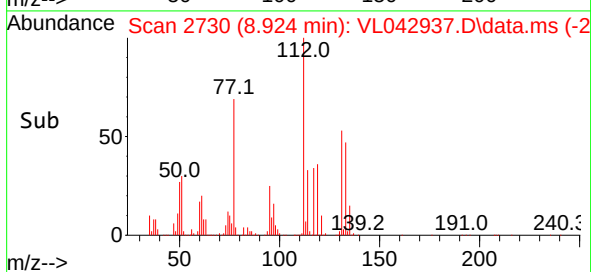
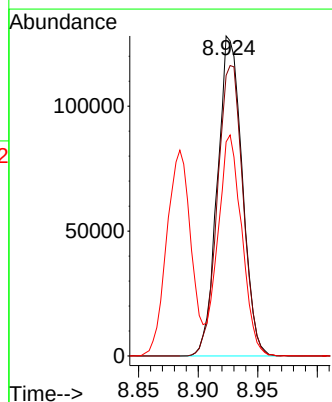
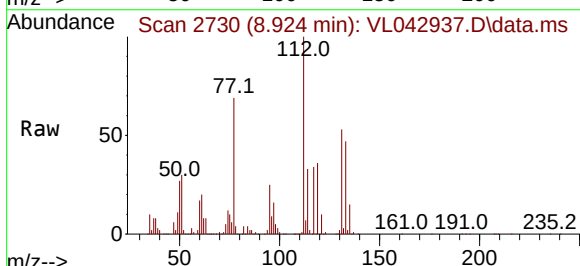
Instrument :
MSVOA_L
ClientSampleId :

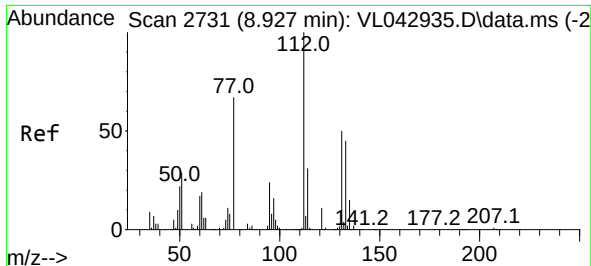
Tgt Ion:117 Resp: 368077
Ion Ratio Lower Upper
117 100
82 70.6 56.1 84.1
119 32.5 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 9.881 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.007 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion:131 Resp: 185285
Ion Ratio Lower Upper
131 100
133 93.4 76.1 114.1
119 66.6 53.4 80.2





#57

Chlorobenzene

Concen: 10.154 ppbv

RT: 8.924 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

ClientSampleId :

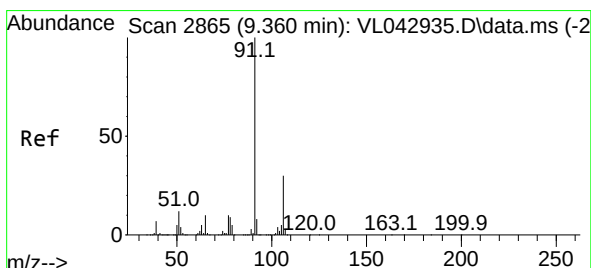
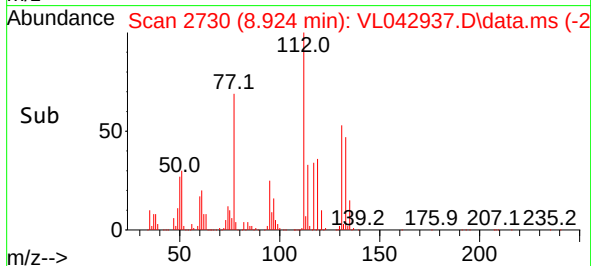
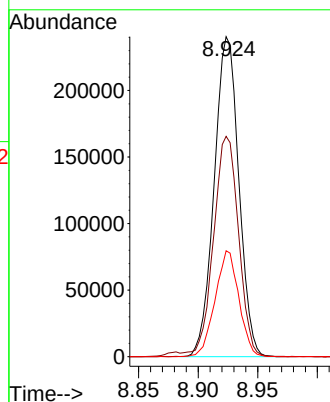
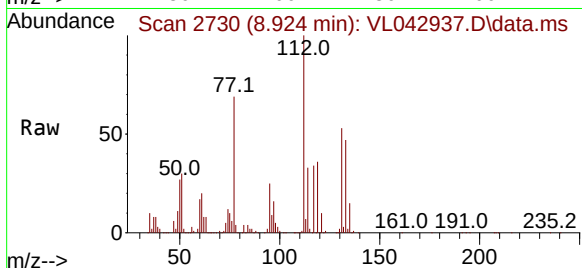
Tgt Ion:112 Resp: 345434

Ion Ratio Lower Upper

112 100

77 68.8 54.8 82.2

114 33.1 28.2 34.4



#58

Ethyl Benzene

Concen: 12.539 ppbv

RT: 9.357 min Scan# 2864

Delta R.T. -0.003 min

Lab File: VL042937.D

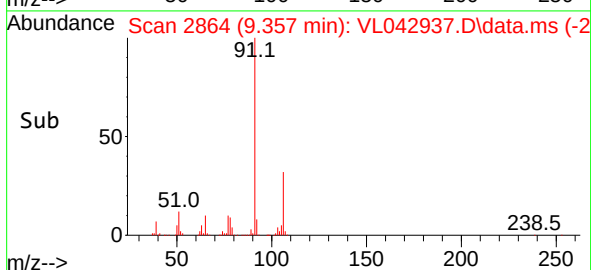
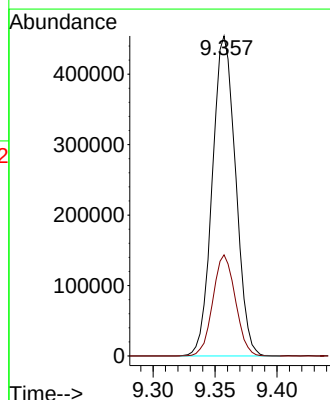
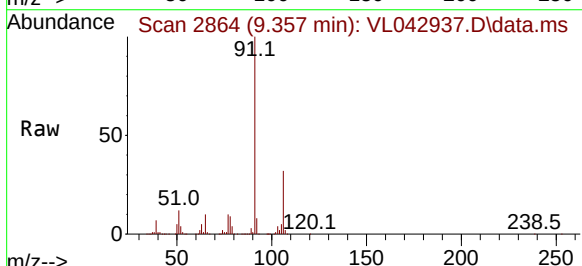
Acq: 17 Sep 2025 14:52

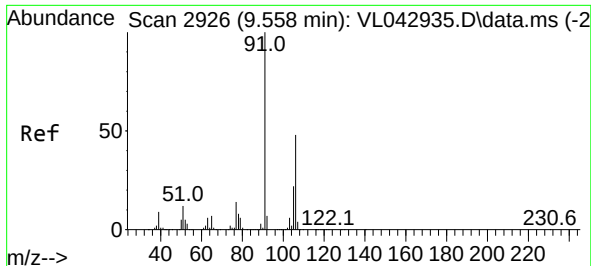
Tgt Ion: 91 Resp: 594613

Ion Ratio Lower Upper

91 100

106 31.6 24.2 36.4





#59

m/p-Xylene

Concen: 12.872 ppbv

RT: 9.555 min Scan# 29

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

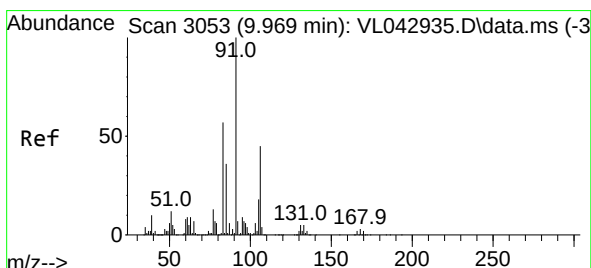
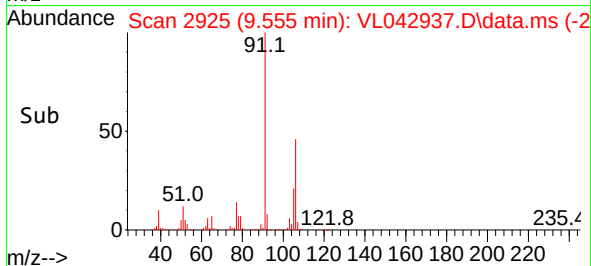
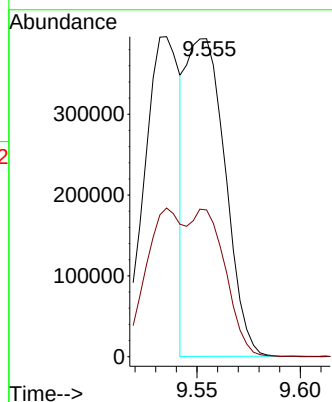
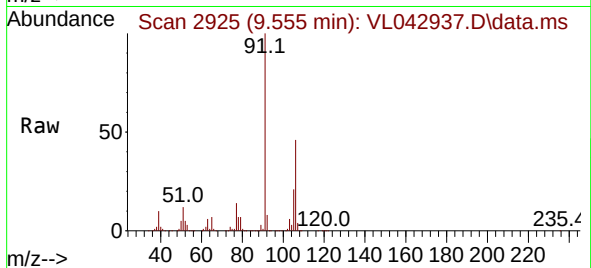
ClientSampleId :

Tgt Ion: 91 Resp: 515806

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.0#



#60

o-Xylene

Concen: 12.376 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VL042937.D

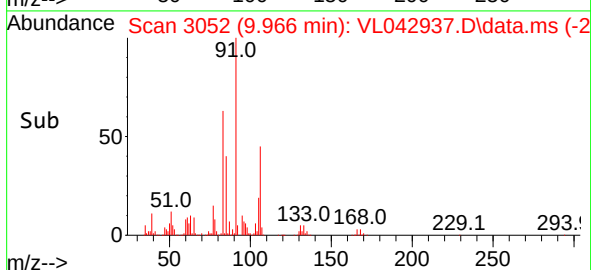
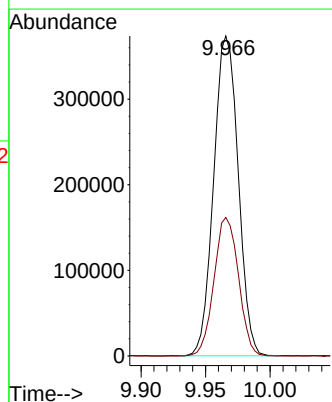
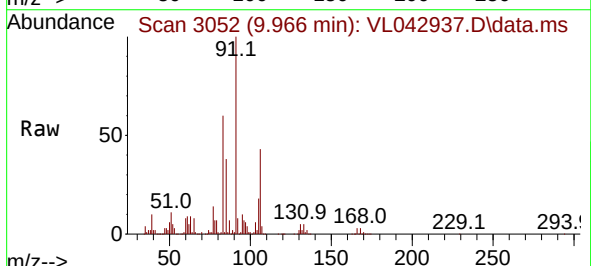
Acq: 17 Sep 2025 14:52

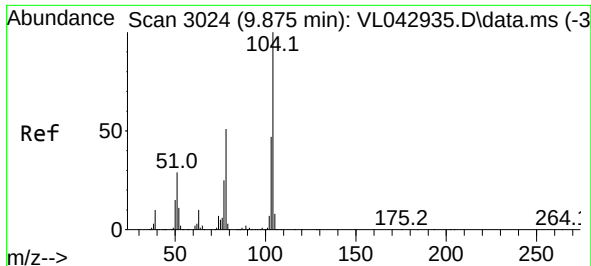
Tgt Ion: 91 Resp: 493072

Ion Ratio Lower Upper

91 100

106 43.2 22.1 66.5

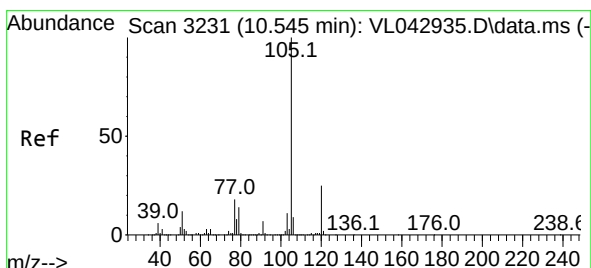
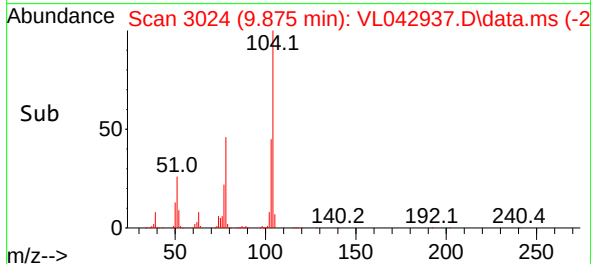
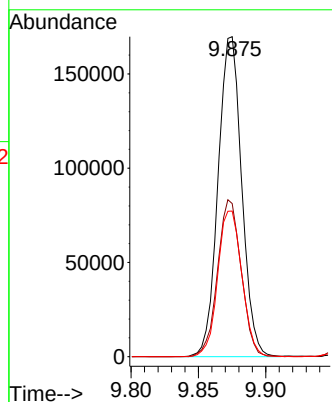
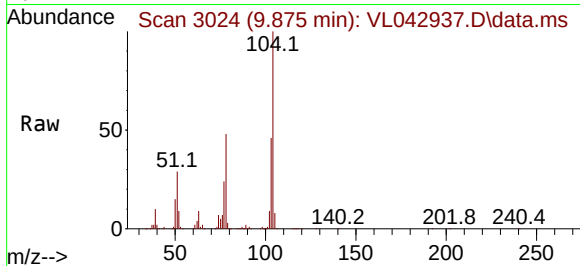




#61
Styrene
Concen: 10.047 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.000 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

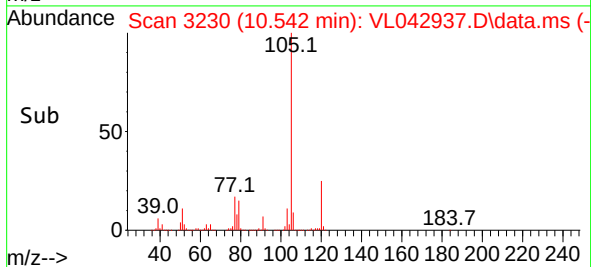
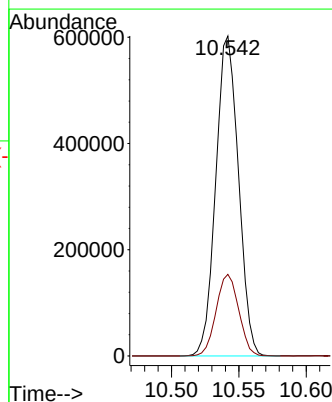
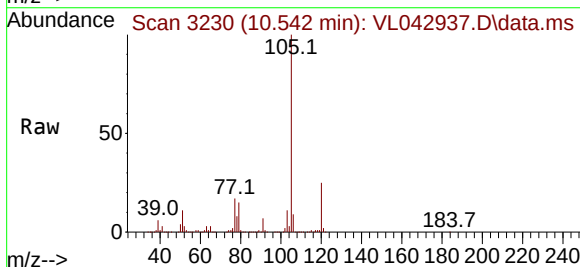
Instrument :
MSVOA_L
ClientSampleId :

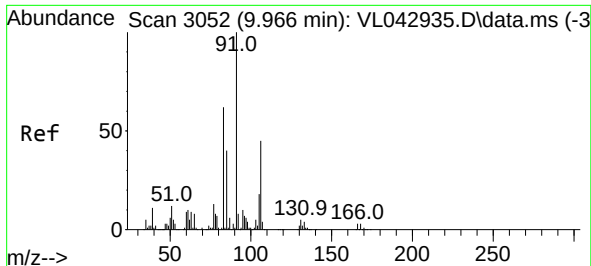
Tgt Ion:104 Resp: 207040
Ion Ratio Lower Upper
104 100
78 49.0 40.2 60.2
103 46.7 36.8 55.2



#62
Isopropylbenzene
Concen: 12.155 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion:105 Resp: 705403
Ion Ratio Lower Upper
105 100
120 25.4 20.0 30.0





#63

1,1,2,2-Tetrachloroethane

Concen: 9.775 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

ClientSampleId :

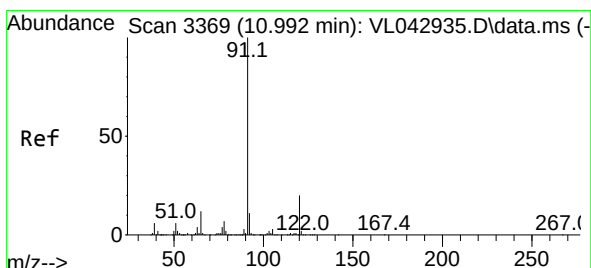
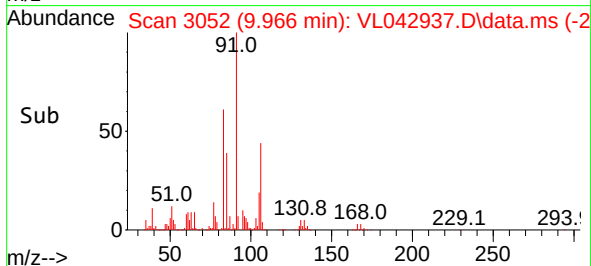
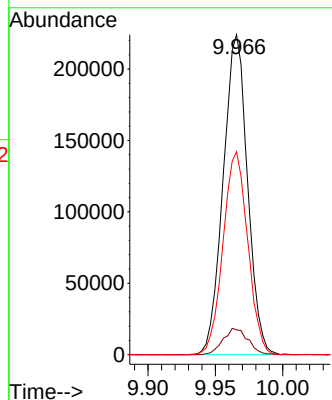
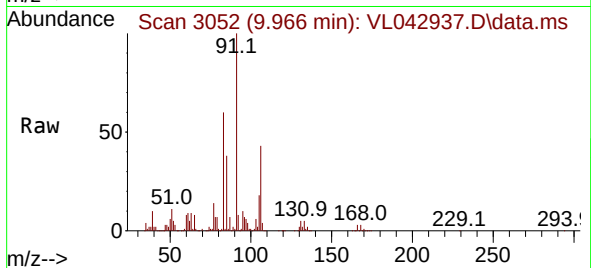
Tgt Ion: 83 Resp: 281350

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.6

85 64.4 32.6 98.0



#64

n-propylbenzene

Concen: 12.121 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. -0.000 min

Lab File: VL042937.D

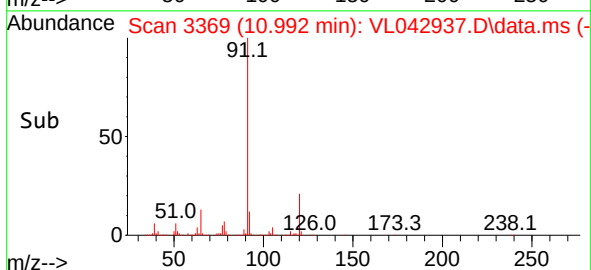
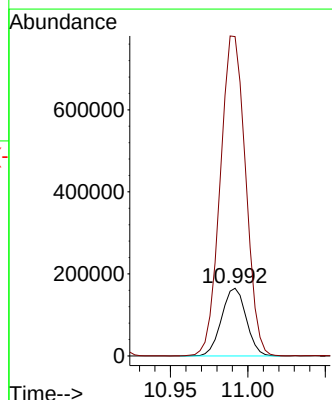
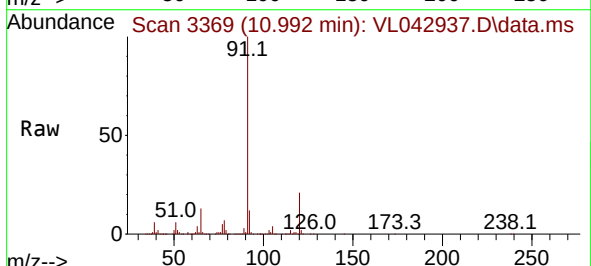
Acq: 17 Sep 2025 14:52

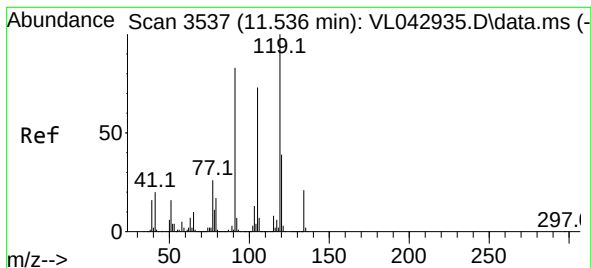
Tgt Ion: 120 Resp: 182390

Ion Ratio Lower Upper

120 100

91 487.4 394.6 591.8





#65

tert-Butylbenzene

Concen: 12.391 ppbv

RT: 11.532 min Scan# 3537

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

ClientSampleId :

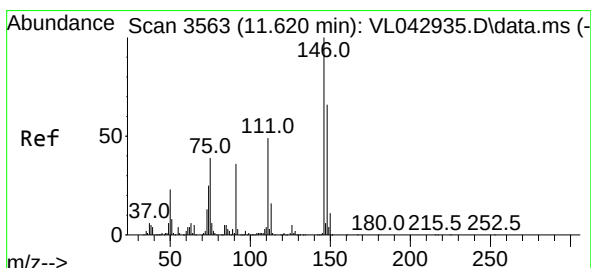
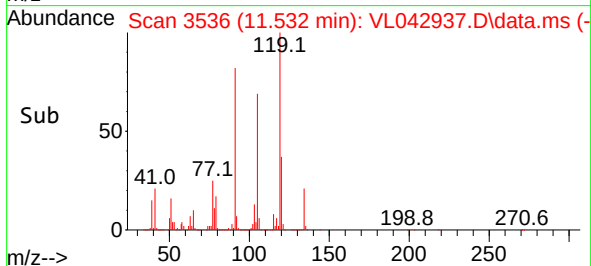
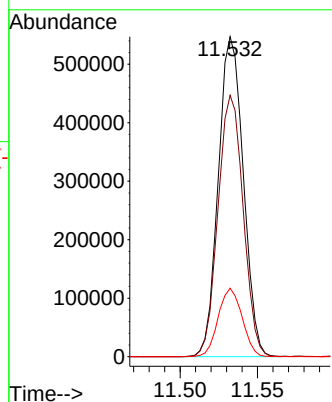
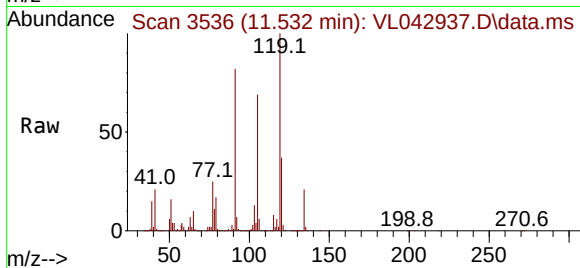
Tgt Ion:119 Resp: 614507

Ion Ratio Lower Upper

119 100

91 82.3 66.0 99.0

134 20.5 16.8 25.2



#66

Benzyl Chloride

Concen: 12.035 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. -0.004 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

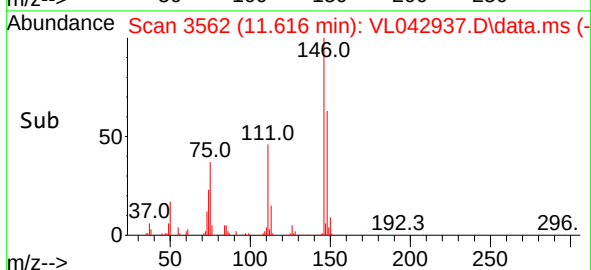
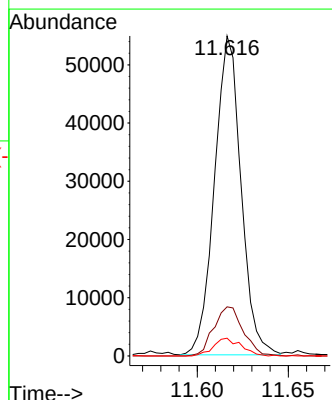
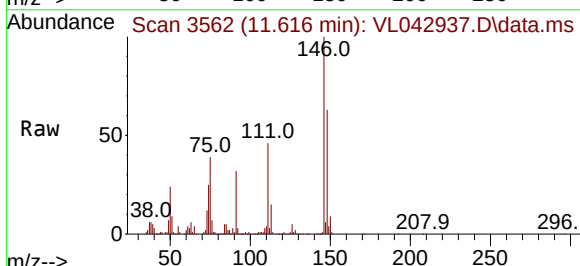
Tgt Ion: 91 Resp: 55461

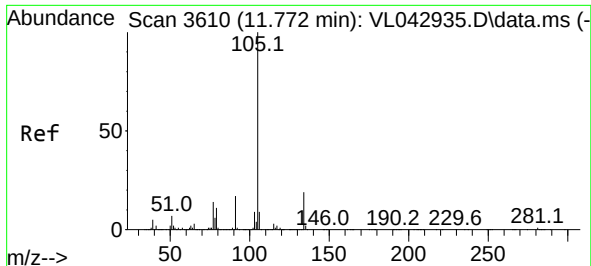
Ion Ratio Lower Upper

91 100

126 17.2 13.9 20.9

128 5.9 4.9 7.3

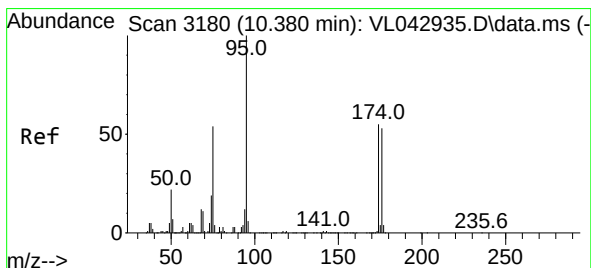
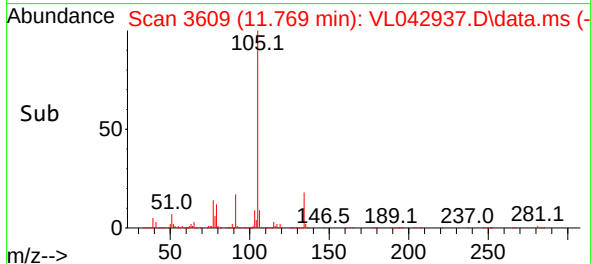
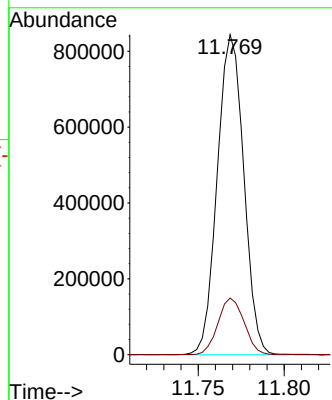
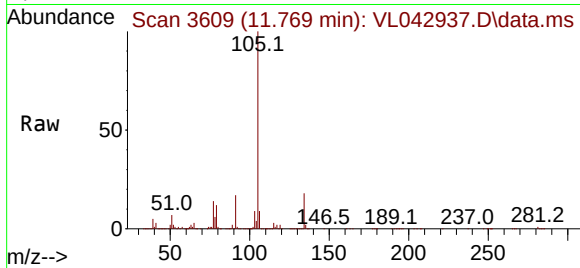




#67
 sec-Butylbenzene
 Concen: 11.975 ppbv
 RT: 11.769 min Scan# 3179
 Delta R.T. -0.003 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52

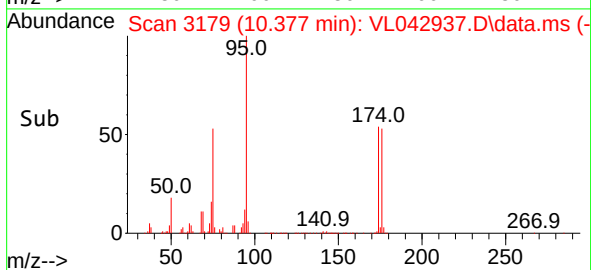
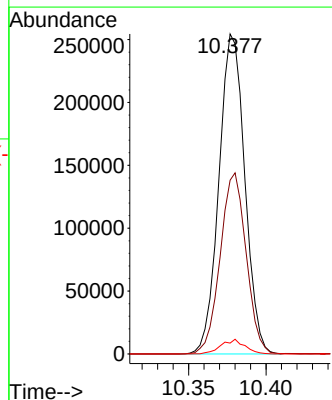
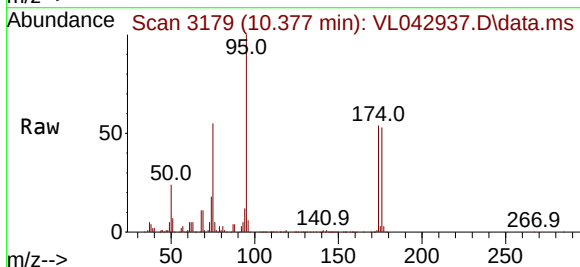
Instrument :
 MSVOA_L
 ClientSampleId :

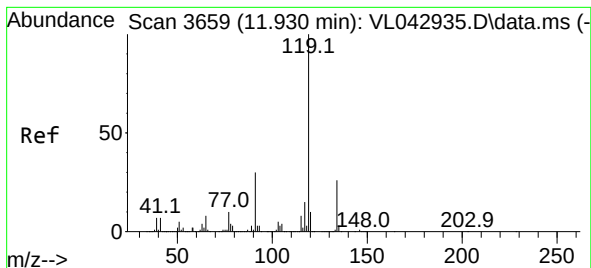
Tgt Ion:105 Resp: 903484
 Ion Ratio Lower Upper
 105 100
 134 17.5 14.3 21.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.278 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.003 min
 Lab File: VL042937.D
 Acq: 17 Sep 2025 14:52

Tgt Ion: 95 Resp: 295691
 Ion Ratio Lower Upper
 95 100
 174 56.9 44.9 67.3
 175 4.2 3.3 4.9





#69

p-Isopropyltoluene

Concen: 12.521 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

ClientSampleId :

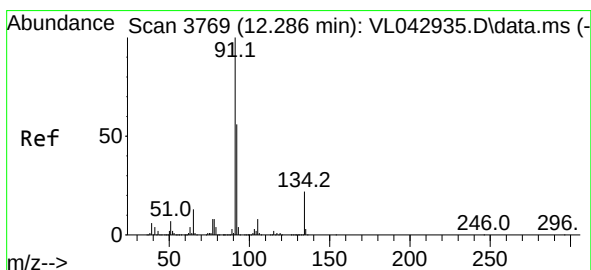
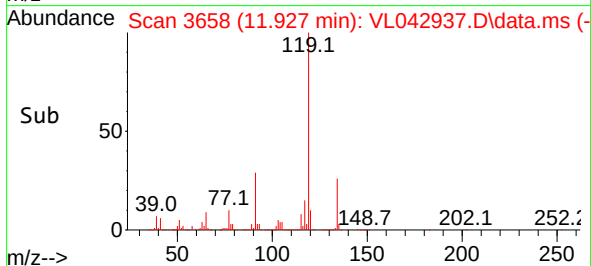
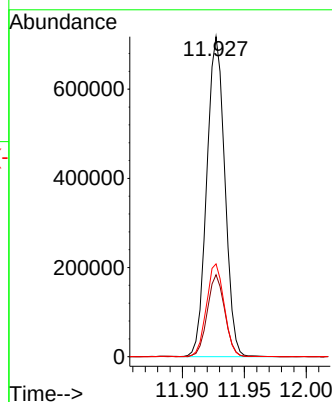
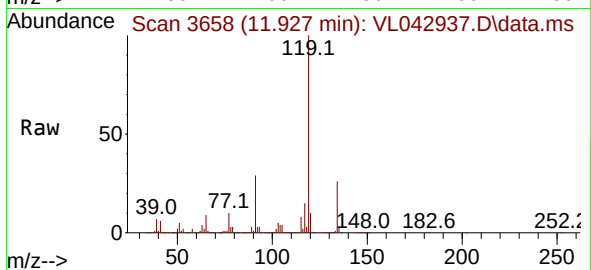
Tgt Ion:119 Resp: 728062

Ion Ratio Lower Upper

119 100

134 24.9 20.5 30.7

91 28.7 23.2 34.8



#70

n-Butylbenzene

Concen: 9.990 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

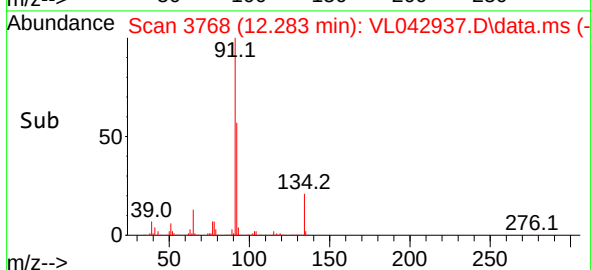
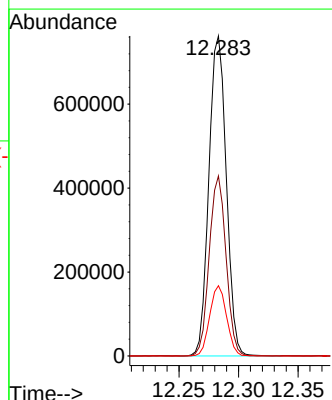
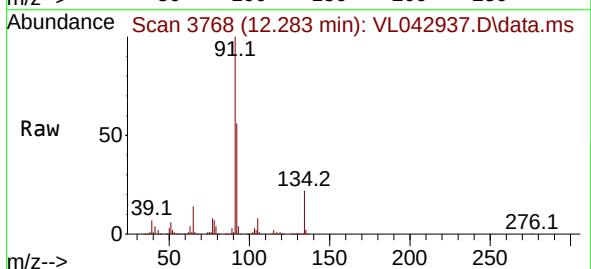
Tgt Ion: 91 Resp: 776317

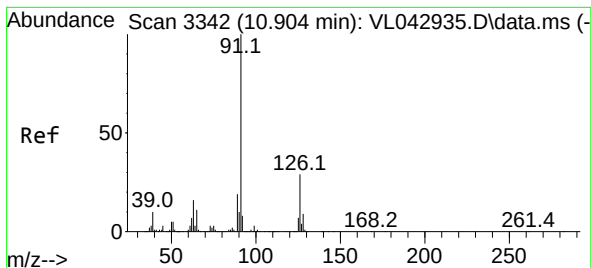
Ion Ratio Lower Upper

91 100

92 54.4 43.8 65.8

134 21.4 17.3 25.9

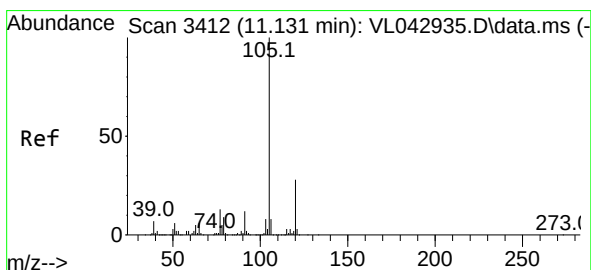
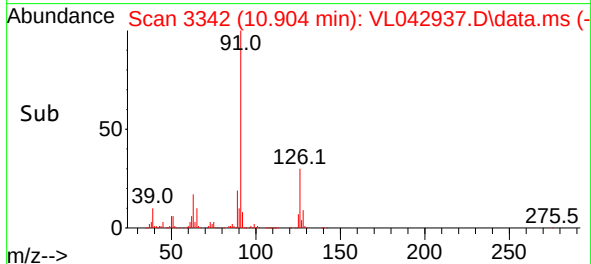
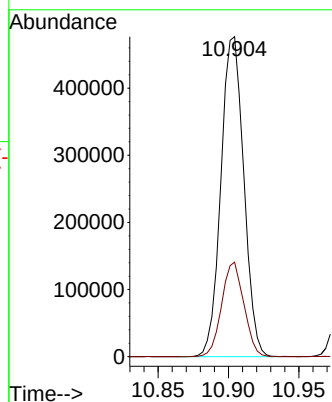
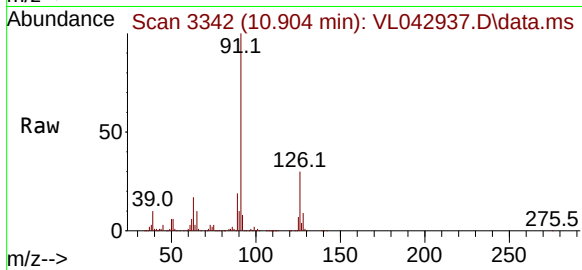




#71
2-Chlorotoluene
Concen: 12.518 ppbv
RT: 10.904 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

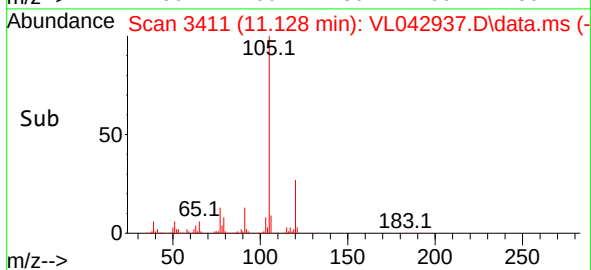
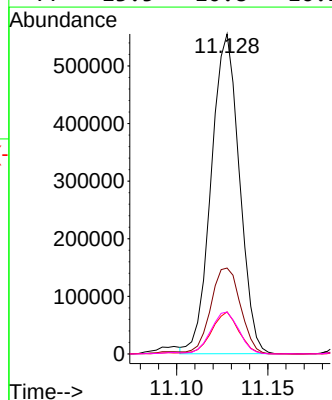
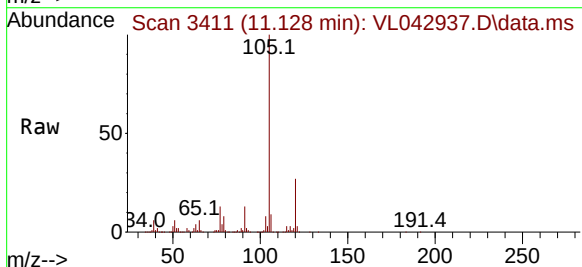
Instrument :
MSVOA_L
ClientSampleId :

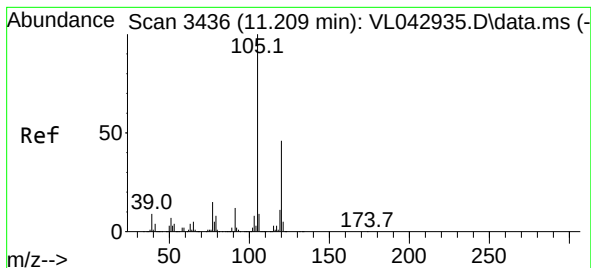
Tgt Ion: 91 Resp: 539069
Ion Ratio Lower Upper
91 100
126 28.7 11.5 45.9



#72
4-Ethyltoluene
Concen: 9.915 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042937.D
Acq: 17 Sep 2025 14:52

Tgt Ion: 105 Resp: 596475
Ion Ratio Lower Upper
105 100
120 29.1 23.1 34.7
91 13.0 10.4 15.6
77 13.5 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 12.431 ppbv

RT: 11.205 min Scan# 3436

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

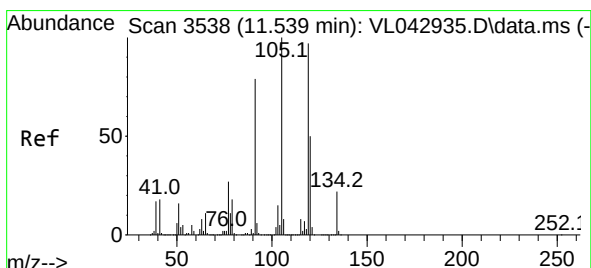
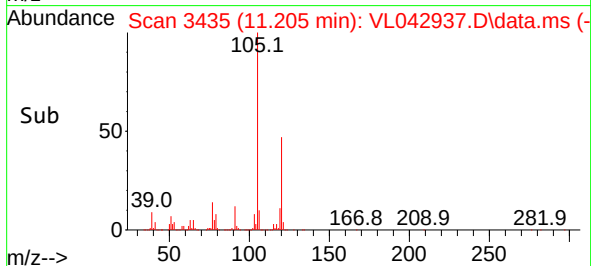
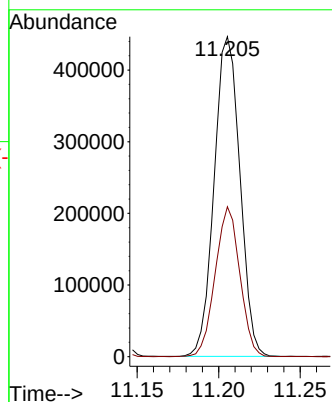
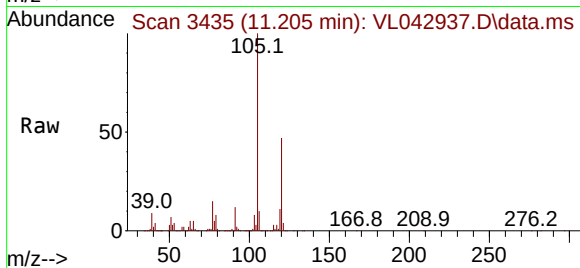
ClientSampleId :

Tgt Ion:105 Resp: 490000

Ion Ratio Lower Upper

105 100

120 46.8 37.0 55.6



#74

1,2,4-Trimethylbenzene

Concen: 12.090 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Tgt Ion:105 Resp: 560019

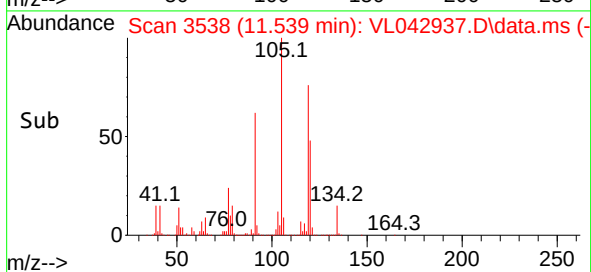
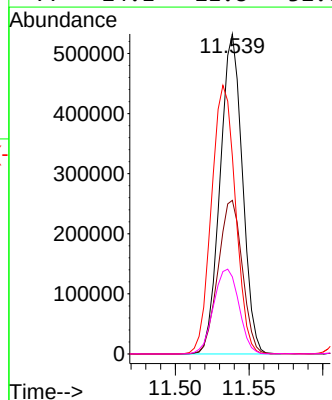
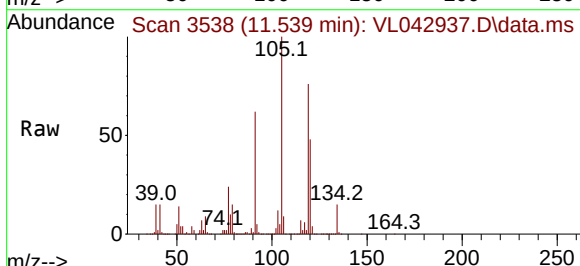
Ion Ratio Lower Upper

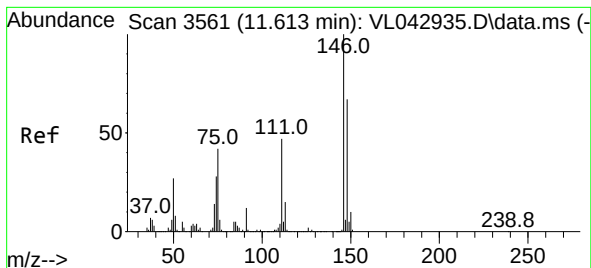
105 100

120 48.0 39.8 59.6

91 61.7 63.1 94.7#

77 24.1 21.8 32.6





#75

1,3-Dichlorobenzene

Concen: 10.925 ppbv

RT: 11.610 min Scan# 3561

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

ClientSampleId :

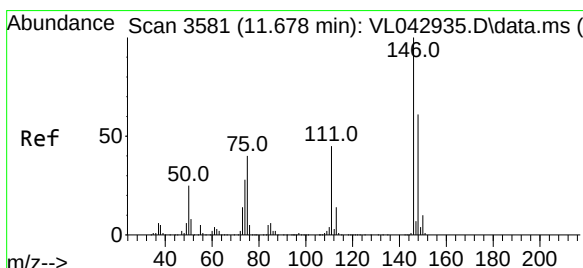
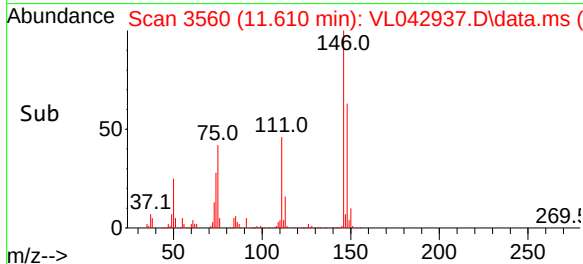
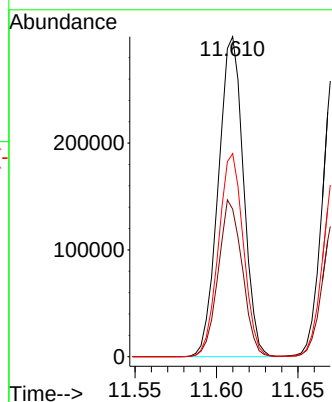
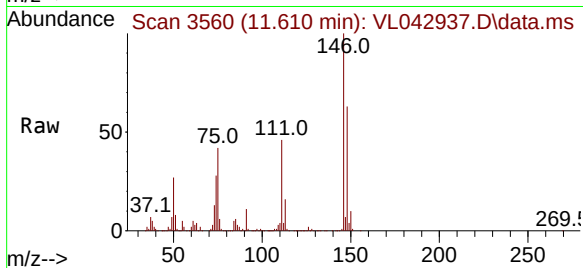
Tgt Ion:146 Resp: 320827

Ion Ratio Lower Upper

146 100

111 47.0 24.1 72.2

148 62.9 31.8 95.3



#76

1,4-Dichlorobenzene

Concen: 11.199 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

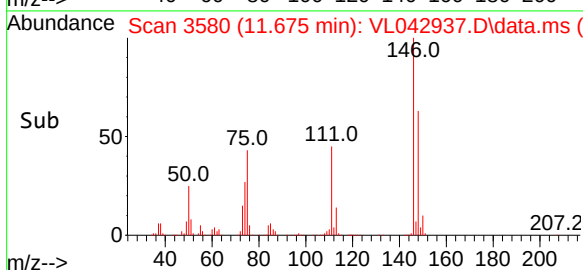
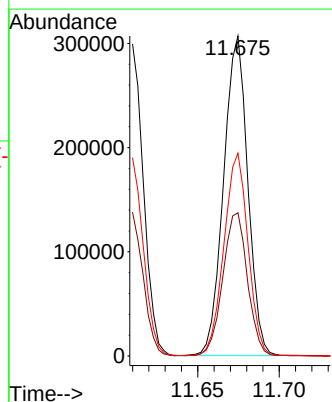
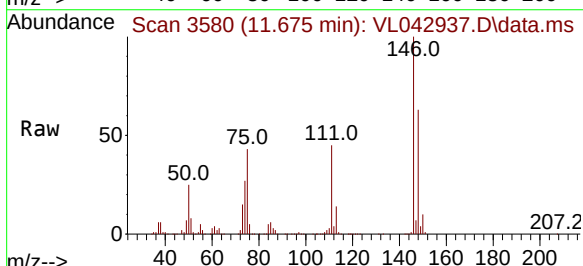
Tgt Ion:146 Resp: 316382

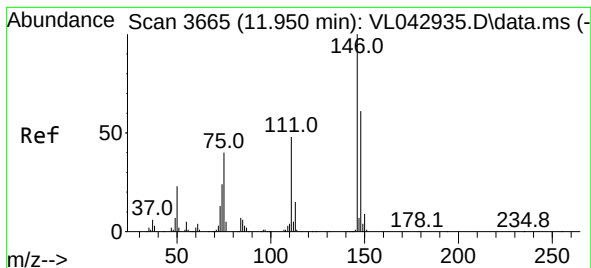
Ion Ratio Lower Upper

146 100

111 45.9 23.0 69.0

148 63.3 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 10.460 ppbv

RT: 11.950 min Scan# 30

Delta R.T. -0.000 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

ClientSampleId :

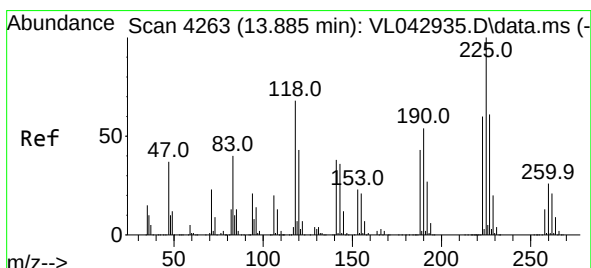
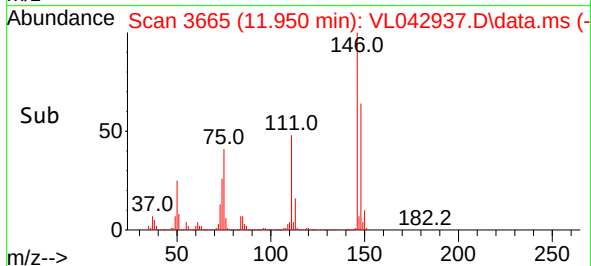
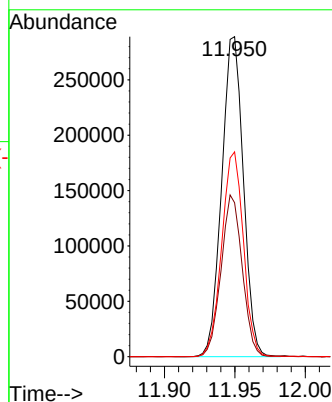
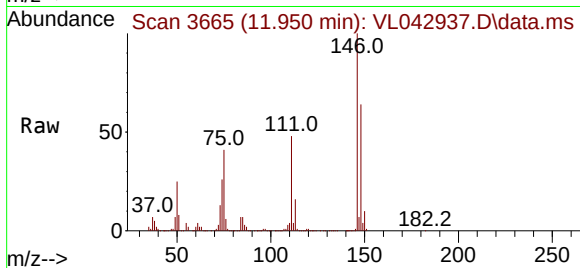
Tgt Ion:146 Resp: 309923

Ion Ratio Lower Upper

146 100

111 49.4 24.6 73.8

148 64.0 31.4 94.2



#78

Hexachloro-1,3-Butadiene

Concen: 9.601 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

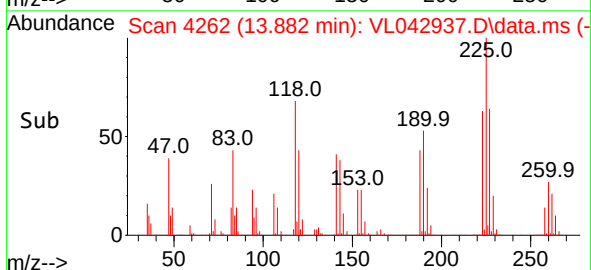
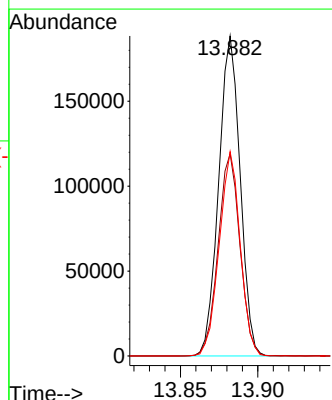
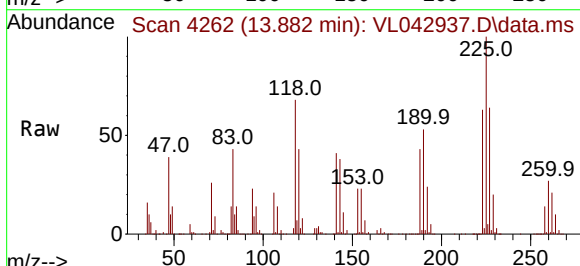
Tgt Ion:225 Resp: 181670

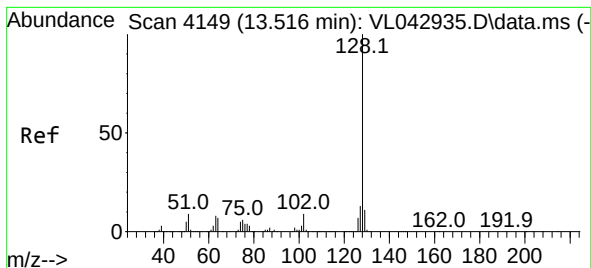
Ion Ratio Lower Upper

225 100

223 64.1 50.6 76.0

227 62.4 50.5 75.7





#79

Naphthalene

Concen: 9.690 ppbv

RT: 13.513 min Scan# 4149

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

ClientSampleId :

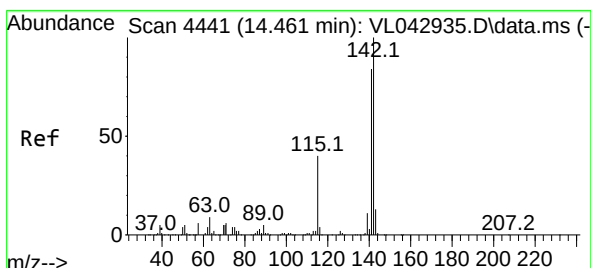
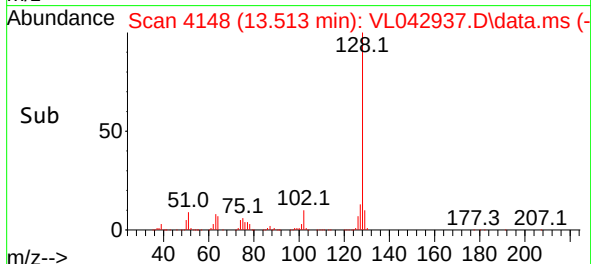
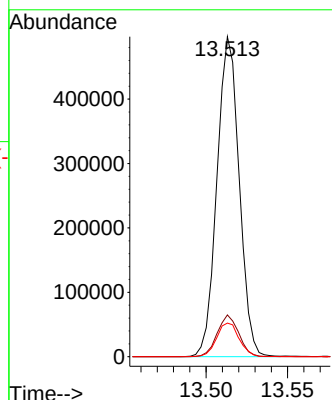
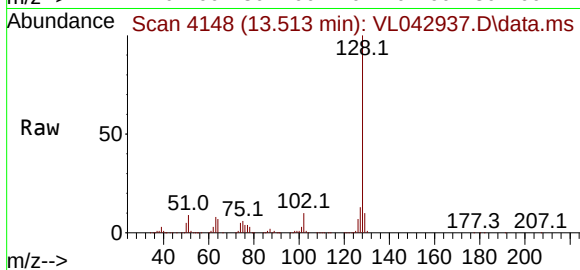
Tgt Ion:128 Resp: 471217

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.5 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 7.615 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. -0.003 min

Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

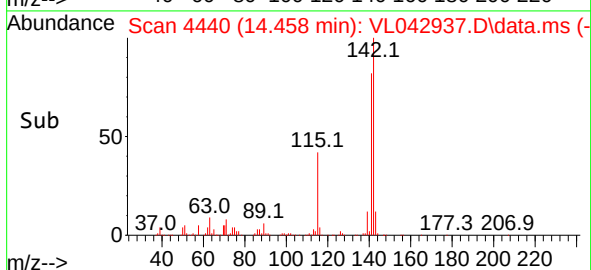
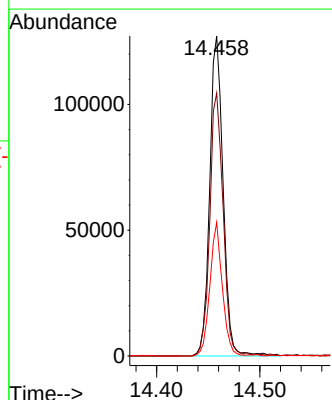
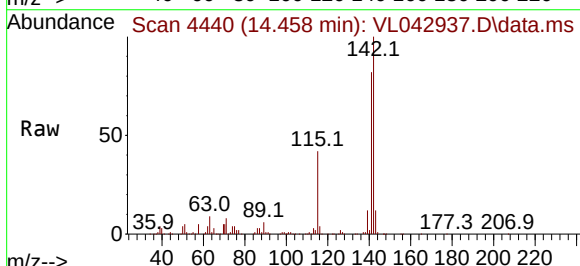
Tgt Ion:142 Resp: 114187

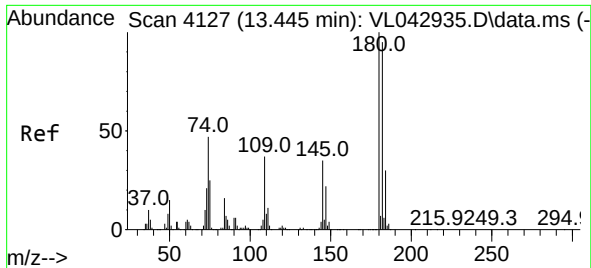
Ion Ratio Lower Upper

142 100

141 83.2 67.0 100.6

115 39.6 32.0 48.0





#81

1,2,4-Trichlorobenzene

Concen: 9.415 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.003 min

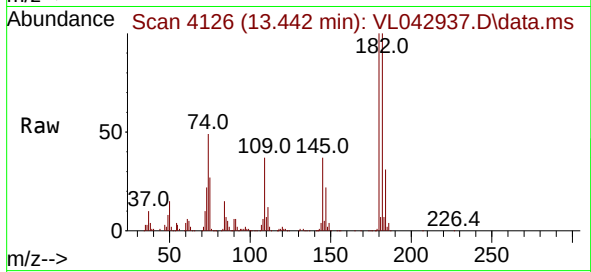
Lab File: VL042937.D

Acq: 17 Sep 2025 14:52

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 219451

Ion Ratio Lower Upper

180 100

182 97.0 75.5 113.3

184 30.5 24.6 37.0

